SAMSUNG

LN-T4061F
LN-T4065F
LN-T4661F
LN-T4665F
LN-T5265F

TFT-LCD TELEVISION

Owner's Instructions

Register your product at www.samsung.com/global/register
Record your Model and Serial number here for future reference.

· Model _____ · Serial No. _____

Important Warranty Information Regarding Television Format Viewing

Wide screen format LCD Displays (16:9, the aspect ratio of the screen width to height) are primarily designed to view wide screen format full-motion video. The images displayed on them should primarily be in the wide screen 16:9 ratio format, or expanded to fill the screen if your model offers this feature and the images are constantly moving. Displaying stationary graphics and images on screen, such as the dark side-bars on nonexpanded standard format television video and programming, should be limited to no more than 5% of the total television viewing per week.
Additionally, viewing other stationary images and text such as stock market reports, video game displays, station logos, web sites or computer graphics and patterns, should be limited as described above for all televisions. Displaying stationary images that exceed the above guidelines can cause uneven aging of LCD Displays that leave subtle, but permanent burned-in ghost images in the LCD picture. To avoid this, vary the programming and images, and primarily display full screen moving images, not stationary patterns or dark bars.
On LCD models that offer picture sizing features, use these controls to view different formats as a full screen picture.
Be careful in the selection and duration of television formats used for viewing. Uneven LCD aging as a result of format selection and use, as well as burned-in images, are not covered by your Samsung limited warranty.

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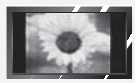
Precautions When Displaying a Still Image

A still image may cause permanent damage to the TV screen

- Do not display a still image on the LCD panel for more than 2 hours as it can cause screen image retention.
  This image retention is also known as "screen burn".
  To avoid such image retention, reduce the degree of brightness and contrast of the screen when displaying a still image.
- 
  Watching the LCD TV in 4:3 format for a long period of time may leave traces of borders displayed on the left, right and center of the screen caused by the difference of light emission on the screen.
  Playing a DVD or a game console may cause a similar effect to the screen.
  Damages caused by the above effect are not covered by the Warranty.
- Displaying still images from Video games and PC for longer than a certain period of time may produce partial after-images.
  To prevent this effect, reduce the 'brightness' and 'contrast' when displaying still images.

Précautions à prendre lors de l'affichage d'une image fixe

Une image fixe peut causer des dommages irrémédiables à l'écran du téléviseur.

- N'affichez pas une image fixe sur l'écran LCD plus de 2 heures. Cela pourrait provoquer une rémanence de l'image à l'écran.
  Cette rémanence de l'image est également appelée "brûlure de l'écran". Pour éviter une telle rémanence de l'image à l'écran, réduisez la luminosité et le contraste de l'écran lorsque vous laissez une image fixe affichée
-
  Regarder l'écran LCD du téléviseur en format 4:3 pendant une longue période peut laisser des traces de bordures à gauche, à droite et au centre de l'écran, à cause de la différence d'émission de lumière sur l'écran.
  La lecture d'un DVD ou l'utilisation d'une console de jeu peut avoir un effet similaire sur l'écran. Les dommages provoqués par les effets qui précèdent ne sont pas couverts par la garantie.
- L'affichage d'images fixes de jeux vidéo et d'ordinateurs pendant plus longtemps qu'une période spécifique peut provoquer des rémanences.Pour éviter cela, réduisez la "luminosité" et le "contraste" lors de l'affichage d'images fixes.

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English

Contents

GENERAL INFORMATION

- List of Features....2
- Accessories....2
- Viewing the Control Panel....3
- Viewing the Connection Panel....4
- Remote Control....5
- Installing Batteries in the Remote Control....6

CONNECTIONS

- Connecting VHF and UHF Antennas....6
- Connecting Cable TV....7
- Connecting a VCR....8
- Connecting a Camcorder....9
- Connecting a DVD Player/Set-Top Box....9
- Connecting a DVD Player/Set-Top Box via HDMI....10
- Connecting a DVD Player/Set-Top Box via DVI....10
- Connecting a Digital Audio System....11
- Connecting an Amplifier/DVD Home Theater....11
- Connecting a PC....11

OPERATION

- Turning the TV On and Off....12
- Plug & Play Feature....12
- Changing Channels....13
- Adjusting the Volume....14
- Viewing the Display....14
- Viewing the Menus....15
- Memorizing the Channels....15
- Setting Up Your Remote Control....17
- Remote Control Codes....19
- To Select the Source....22
- To Edit the Input Source Name....22

PICTURE CONTROL

- Using Automatic Picture Settings....23
- Adjusting the Color Tone....24
- Adjusting the Detailed Settings....25
- Changing the Screen Size....28
- Setting the Active Color....29
- DNIe (Digital Natural Image engine)....29
- Freezing the Picture....30
- Setting the Film Mode....30
- HDMI Black Level....30
- Viewing Picture-in-Picture....31

SOUND CONTROL

- Customizing the Sound....33
- Using Automatic Sound Settings....33
- Setting the TruSurround XT....34
- Choosing a Multi-Channel Sound (MTS) track - Digital....34
- Choosing a Multi-Channel Sound (MTS) track - Analog....35
- Automatic Volume Control....35
- Selecting the Internal Mute....36
- Setting the On/Off Melody....36
- Listening to the Sound of the Sub (PIP) Picture....37
- Resetting the Sound Settings to the Factory Defaults....37
- Connecting Headphones....37

CHANNEL CONTROL

- Selecting the Antenna....38
- Clearing Scrambled Channels - Digital....38
- Setting the Channel Lists....39
- To set-up Your Favorite Channels....40
- Using the Channel Lists....41
- Viewing the Channel Lists....41
- Labeling Channels....42
- LNA (Low Noise Amplifier)....42
- Fine Tuning Analog Channels....43
- Checking the Digital-Signal Strength....43

PC DISPLAY

- Using Your TV as a Computer (PC) Display....44
- Display Modes....44
- Setting up the TV with your PC....45
- Setting the Home Theater PC....46

TIME SETTING

- Setting the Clock....47

FUNCTION DESCRIPTION

- Selecting a Menu Language....50
- Setting the Blue Screen Mode....51
- Using the Game Mode....51
- Viewing Closed Captions (On-Screen Text Messages) - Analog....52
- Viewing Closed Captions (On-Screen Text Messages) - Digital....53
- Menu Transparency Level....54
- Using the Energy Saving Feature....54
- Setting the Function Help....55
- Digital Noise Reduction....55
- Using the V-Chip....56
- Setting the Light Effect (LN-T4065F / LN-T4665F / LN-T5265F)....63
- Upgrading the Software....63

WISELINK

- WISELINK....64
- Using the WISELINK Function....64
- Using the WISELINK Menu....65
- Using the PHOTO (JPEG) List....66
- Using the MP3 List....73
- Using the Setup Menu....75

About Anynet+

- What is Anynet+?....77
- Connecting Anynet+ Devices....77
- Setting Up Anynet+....78
- Scanning and Switching between Anynet+ Devices....78
- Recording....79
- Listening through a Receiver (Home theater)....80
- Check Points before Requesting Service....80

APPENDIX

- Troubleshooting....81
- Installing the Stand....83
- Disconnecting the Stand....83
- Wall-Mount Adjustment (Sold separately)....84
- Wall Mount Kit Specifications (VESA)....85
- Using the Anti-Theft Kensington Lock....86
- Specifications....87

Symbol	Press	Important	Note	One-Touch Button

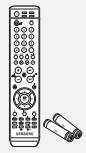
General Information

List of Features

- Adjustable picture settings that can be stored in the TV's memory.
- Automatic timer to turn the TV on and off.
- A special sleep timer.
- Excellent Digital Interface & Networking :
  With a built-in HD digital tuner, non-subscription HD broadcasts can be viewed with no Set-Top/Cable Box needed.
- Remote Control
  The supplied remote can be used to operate the TV as well as most DVD players, Set-Top boxes, Cable Boxes and VCRs.
- Excellent Picture Quality
  - DNIe technology provides life-like clear images.
- SRS TruSurround XT
  - SRS TruSurround XT provides a virtual Dolby surround system.

Accessories

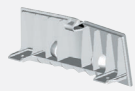
Please make sure the following items are included with your LCD TV.
If any items are missing, contact your dealer.



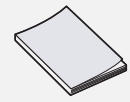
Remote Control & Batteries (AAA x 2)
(BN59-00599A)

Power Cord
(3903-000144)

Cleaning Cloth
(BN63-01798A)



Cover-Bottom
LN-T4061F : BN63-03031A
LN-T4065F : BN63-03298A
LN-T4661F : BN63-03148A
LN-T4665F / LN-T5265F : BN63-03308A



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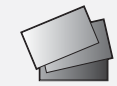


Warranty Card / Registration Card / Safety Guide Manual
(Not available in all locations)

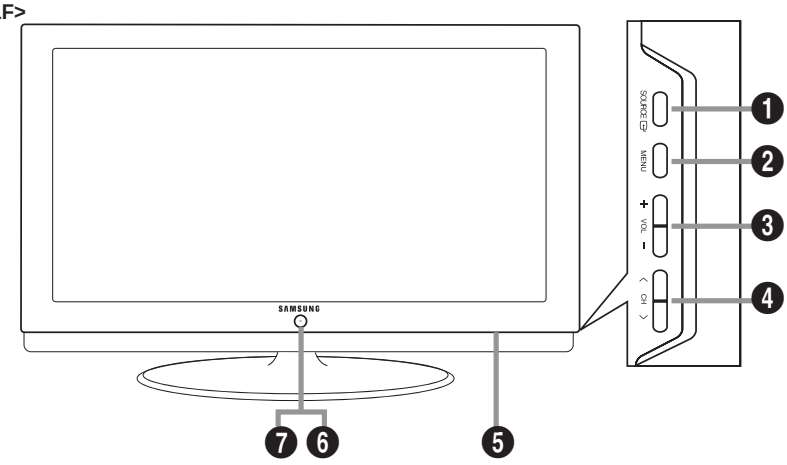
➢ The items color and shape may vary depending on the model.

Viewing the Control Panel

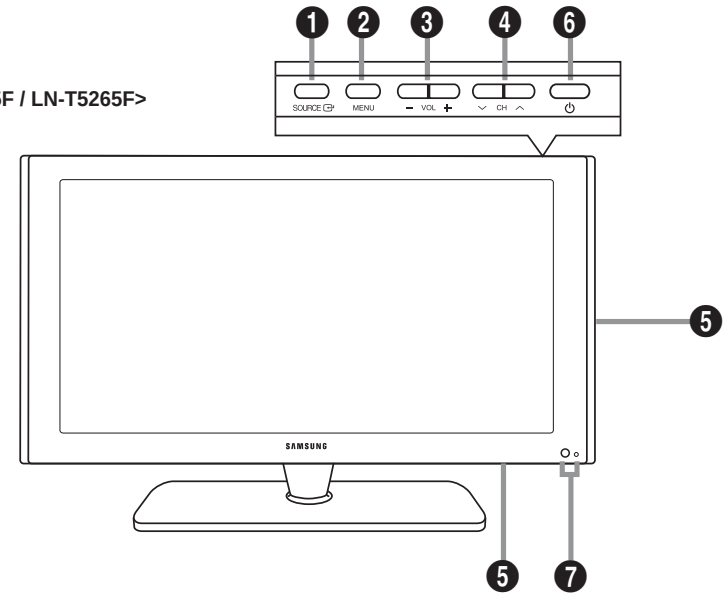
Buttons on the Lower-Right Part of the Panel

The buttons on the lower-right panel control your TV's basic features, including the on-screen menu.
To use the more advanced features, you must use the remote control.

<LN-T4061F / LN-T4661F>



<LN-T4065F / LN-T4665F / LN-T5265F>



➢ The product color and shape may vary depending on the model.

❶ **SOURCE**
Toggles between all the available input sources (TV, AV1, AV2, S-Video1, S-Video2, Component1, Component2, PC, HDMI1, HDMI2, HDMI3).
In the on-screen menu, use this button as you would use the **ENTER** button on the remote control.

❷ **MENU**
Press to see an on-screen menu of your TV's features.

❸ **- VOL +**
Press to increase or decrease the volume.
In the on-screen menu, use the + VOL - buttons as you would use the ◄ and ► buttons on the remote control.

❹ **< CH >**
Press to change channels.
In the on-screen menu, use the < CH > buttons as you would use the ▲ and ▼ butons on the remote control.

❺ **SPEAKERS**

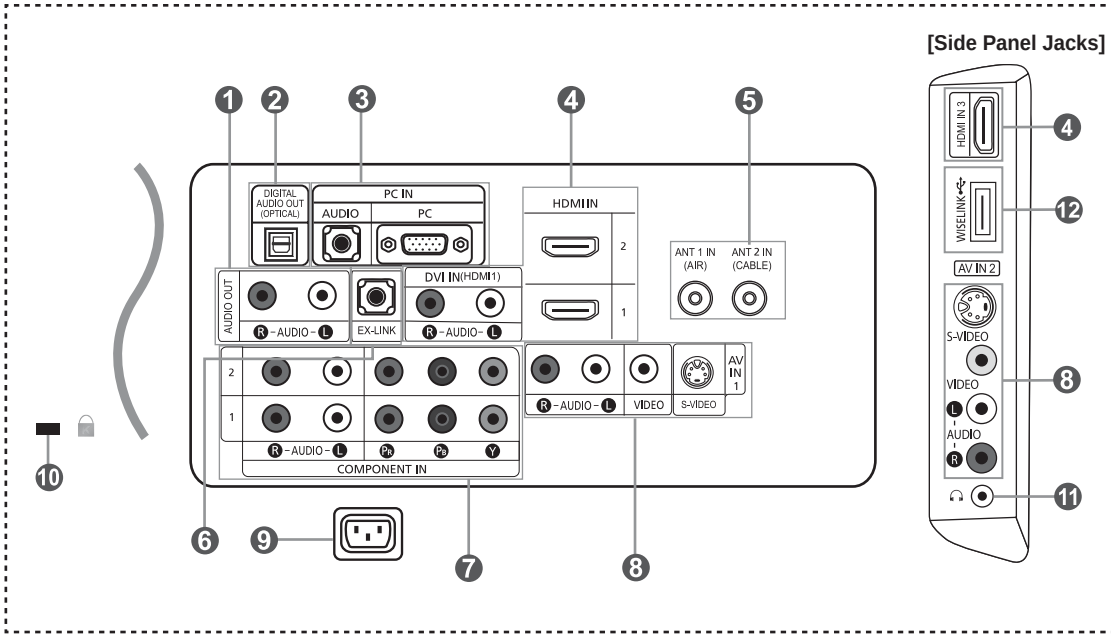
❻ **(POWER)**
Press to turn the TV on and off.

❼ **POWER INDICATOR**
Blinks and turns off when the power is on and lights up in stand-by mode.
REMOTE CONTROL SENSOR
Aim the remote control towards this spot on the TV.

Viewing the Connection Panel

Rear Panel Jacks

Use the rear panel jacks to connect A/V components that will be connected continuously, such as VCR or DVD players. For more information on connecting equipment, see pages 6-11.



❶ **AUDIO OUT**
Connects to the audio input jacks on your Amplifier/ Home theater.

❷ **DIGITAL AUDIO OUT (OPTICAL)**
Connects to a Digital Audio component.

❸ **PC IN**
Connects to the video and audio output jacks on your PC.

❹ **HDMI IN 1,2,3 /DVI IN(HDMI1) (AUDIO R/L)**
Connects to the HDMI jack of a device with an HDMI output.

Use the HDMI IN 1 jack for a DVI connection to an external device.
You should use the DVI to HDMI cable or DVI-HDMI adapter (DVI to HDMI) for a video connection,and the DVI IN 'R-AUDIO-L' jack for audio.
- The HDMI IN 1 jack does not support PC connection
- No sound connection is needed for an HDMI to HDMI connection
- When using an HDMI/DVI cable connection, you must use the HDMI IN 1 jack.

❺ **ANT 1 IN/ANT 2 IN**
Connects to an antenna or cable TV system.

❻ **EX LINK**
Connect this to the jack on the optional wall mount bracket. This will allow you to adjust the TV viewing angle using your remote control.

❼ **COMPONENT IN 1,2**
Connects Component video/audio.

❽ **AV IN 1 / AV IN 2**
Video and audio inputs for external devices, such as a camcorder or VCR.
S-VIDEO
Connects an S-Video signal from a camcorder or VCR.

❾ **POWER INPUT**
Connects the supplied power cord

❿ **KENSINGTON LOCK**
The Kensington lock (optional) is a device used to physically fix the system when used in a public place. If you want to use a locking device, contact the dealer where you purchased the TV.
➢ The place of the Kensington Lock may be different depending on its model.

⓫ **HEADPHONE**
Connects a set of external headphones for private listening.

⓬ **WISELINK**
Connect this to the jack on the optional wall mount bracket. This will allow you to adjust the TV viewing angle using your remote control.

Remote Control

You can use the remote control up to a distance of about 23 feet from the TV. When using the remote, always point it directly at the TV. You can also use your remote control to operate your VCR, Cable box, DVD player, or Set-Top Box.

1 POWER
Turns the TV on and off.

2 NUMERIC BUTTONS
Press to change the channel.

3 –
Press to select additional channels(digital and analog) being broadcast by the same station. For example, to select channel "54-3", press "54", then press "–" and "3".

4 CH LIST
Used to display Channel Lists on the screen.

5 ANTENNA
Press to select "AIR" or "CABLE".

6 VCR/DVD Functions
- Rewind
- Stop
- Play/Pause
- Fast/Forward

7 VOL⊕ / VOL⊖
Press to increase or decrease the volume.

8 (MUTE)
Press to temporarily cut off the sound.

9 MENU
Displays the main on-screen menu.

10 S.MODE
Press to select the sound mode.

11 RETURN
Returns to the previous menu.

12 P.MODE
Press to select the picture mode.

13 CAPTION
Controls the caption decoder.

14 FAV.CH
Press to switch to your favorite channels.

15 SLEEP
Press to select a preset time interval for automatic Shut off.

16 SRS
Selects SRS TruSurround XT mode.

17 SET
Sets the remote to control your TV, VCR, Cable, DVD, or Set-Top Box

18 TV, DVD, STB, CABLE, VCR
Press to operate your TV,DVD, STB, CABLE (box), or VCR
(See pages 17-21)

19 When pressing this button, a number of buttons on the remote control (e.g. TV, DVD, STB, CABLE, VCR, VOL and CH buttons) light up for a few seconds and then turn off to save power. This function is convenient for using the remote at night or when dark.

20 SOURCE
Press to display all of the available video sources.

21 PRE-CH
Tunes to the previous channel.

22 WISELINK
This function enables you to view and play photo (JPEG) and audio files (MP3) from an external device.
(Refer to page 65)

23 REC
This remote can be used to control recording on Samsung recorders.
(Refer to page 79)

24 CH⊙ / CH⊙
Press to change channels.

25 EXIT
Press to exit the menu.

26 UP▲ / DOWN▼ / LEFT◄ / RIGHT► / ENTER↵
Use to select on-screen menu items and change menu values.

27 INFO
Press to display information on the TV screen.

28 Anynet+
Runs the Anynet+ functions and sets up Anynet devices.

29 STILL
Press to stop the action during a particular scene.
Press again to resume normal video.

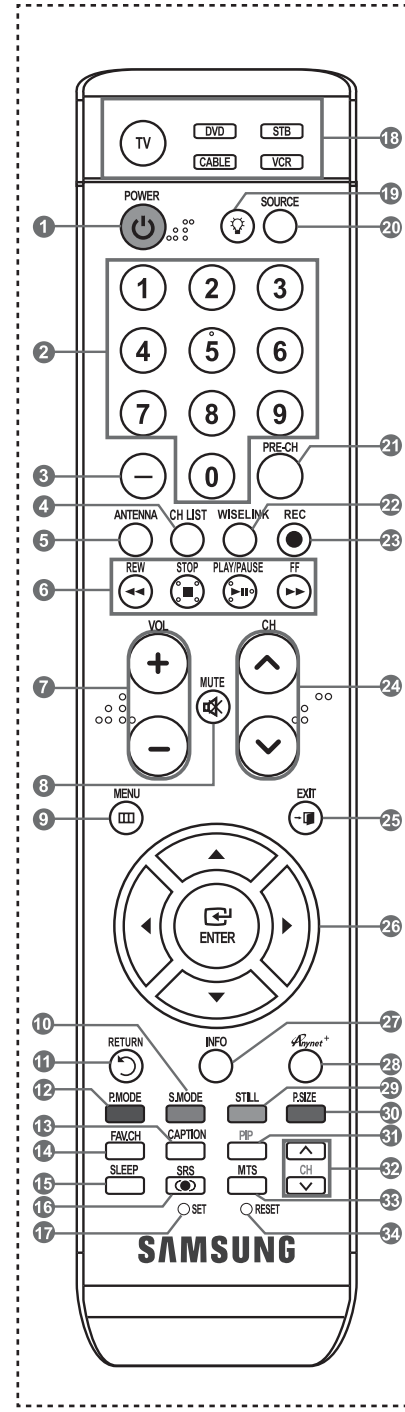
30 P.SIZE
Picture size selection.

31 PIP
Picture-in Picture ON/OFF.

32 CH ∧ / ∨
Displays the available channels in sequence. (These buttons change channels in the PIP window only.)

33 MTS
Press to choose stereo, mono or Separate Audio Program (SAP broadcast).

34 RESET
When your remote does not work, change the batteries and press the RESET button for 2-3 seconds before use.

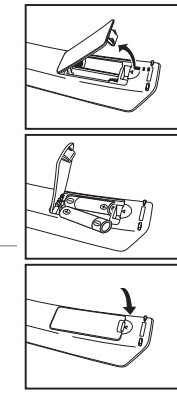


➢ This is a special remote control for the visually impaired, and has Braille points on the Power, Channel, STOP, PLAY/PAUSE and Volume buttons.
➢ The performance of the remote control may be affected by bright light.

Installing Batteries in the Remote Control

1. Lift the cover at the back of the remote control upward as shown in the figure.
2. Install two AAA size batteries.
   ➢ Make sure to match the "+" and "–" ends of the batteries with the diagram inside the compartment.
3. Replace the cover.
   ➢ Remove the batteries and store them in a cool, dry place if you won't be using the remote control for a long time.

   The remote control can be used up to about 23 feet from the TV.
   (Assuming typical TV usage, the batteries should last for about one year.)



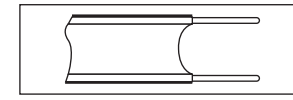
➢ **If the remote control doesn't work, check the following:**

1. Is the TV power on?
2. Are the plus and minus ends of the batteries reversed?
3. Are the batteries drained?
4. Is there a power outage, or is the power cord unplugged?
5. Is there a special fluorescent light or neon sign nearby?

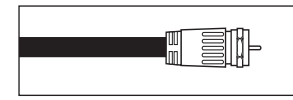
Connections

Connecting VHF and UHF Antennas

If your antenna has a set of leads that look like the diagram to the right, see "Antennas with 300 Ω Flat Twin Leads" below.



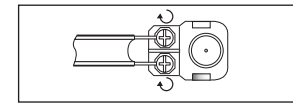
If your antenna has one lead that looks like the diagram to the right, see "Antennas with 75 Ω Round Leads".
If you have two antennas, see "Separate VHF and UHF Antennas".



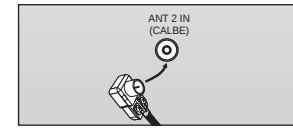
Antennas with 300 Ω Flat Twin Leads

If you are using an off-air antenna (such as a roof antenna or "rabbit ears") that has 300 Ω twin flat leads, follow the directions below.

1. Place the wires from the twin leads under the screws on a 300-75 Ω adapter (not supplied).
   Use a screwdriver to tighten the screws.

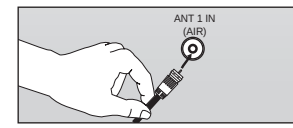


2. Plug the adaptor into the ANT 2 IN (CABLE) terminal on the back of the TV.



Antennas with 75 Ω Round Leads

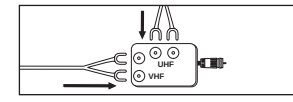
1. Plug the antenna lead into the ANT 1 IN (AIR) terminal on the back of the TV.



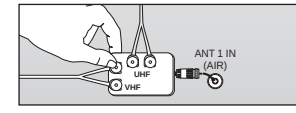
Separate VHF and UHF Antennas

If you have two separate antennas for your TV (one VHF and one UHF), you must combine the two antenna signals before connecting the antennas to the TV. This procedure requires an optional combiner-adaptor (available at most electronics shops).

1. Connect both antenna leads to the combiner.



2. Plug the combiner into the ANT 1 IN (AIR) terminal on the bottom of the rear panel.

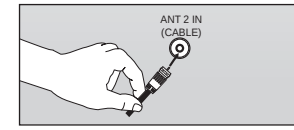


Connecting Cable TV

To connect to a cable TV system, follow the instructions below.

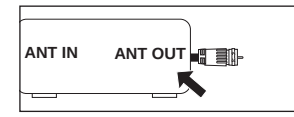
Cable without a Cable Box

1. Plug the incoming cable into the ANT 2 IN (CABLE) terminal on the back of the TV.
   ➢ Because this TV is cable-ready, you do not need a cable box to view unscrambled cable channels.

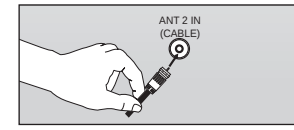


Connecting to a Cable Box that Descrambles All Channels

1. Find the cable that is connected to the ANT OUT terminal on your cable box.
   ➢ This terminal might be labeled "ANT OUT", "VHF OUT" or simply, "OUT".



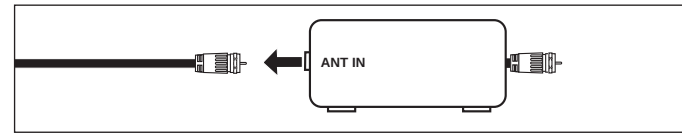
2. Connect the other end of this cable to the ANT 2 IN (CABLE) terminal on the back of the TV.



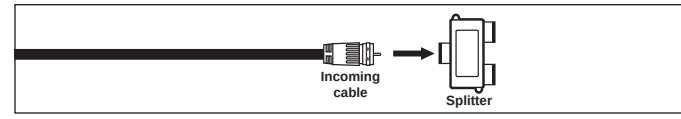
Connecting to a Cable Box that Descrambles Some Channels

If your cable box descrambles only some channels (such as premium channels), follow the instructions below. You will need a two-way splitter, an RF (A/B) switch, and four lengths of RF cable. (These items are available at most electronics stores.)

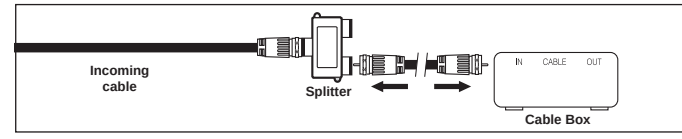
1. Find and disconnect the cable that is connected to the ANT IN terminal on your cable box.
   ➢ This terminal might be labeled "ANT IN", "VHF IN" or simply, "IN".



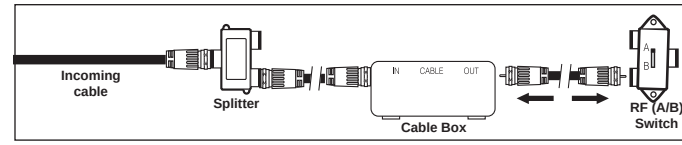
2. Connect this cable to a two-way splitter.



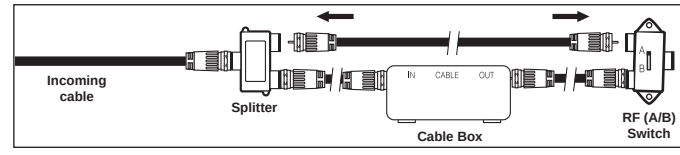
3. Connect an RF cable between the OUTPUT terminal on the splitter and the IN terminal on the cable box.



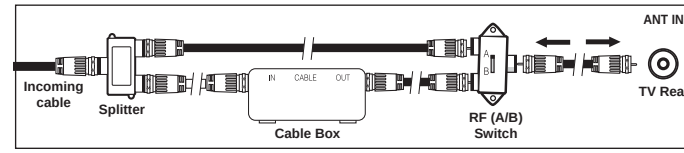
4. Connect an RF cable between the ANT OUT terminal on the cable box and the B–IN terminal on the RF(A/B) switch.



5. Connect another cable between the other OUT terminal on the splitter and the A–IN terminal on the RF (A/B) switch.



6. Connect the last RF cable between the OUT terminal on the RF (A/B) switch and the ANT IN terminal on the rear of the TV.



After you have made this connection, set the A/B switch to the "A" position for normal viewing. Set the A/B switch to the "B" position to view scrambled channels. (When you set the A/B switch to "B", you will need to tune your TV to the cable box's output channel, which is usually channel 3 or 4.)

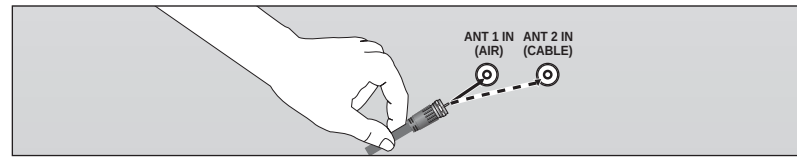
Connecting a VCR

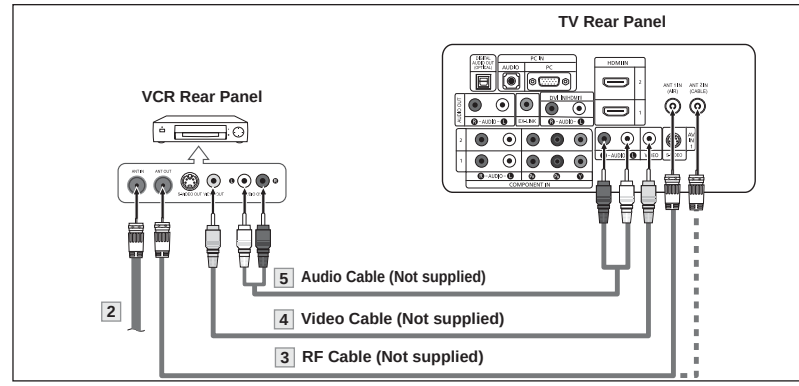
Video Connection

These instructions assume that you have already connected your TV to an antenna or a cable TV system (according to the instructions on pages 6-7). Skip step 1 if you have not yet connected to an antenna or a cable system.

1. Unplug the cable or antenna from the back of the TV.
2. Connect the cable or antenna to the ANT IN terminal on the back of the VCR.
3. Connect an RF Cable between the ANT OUT terminal on the VCR and the ANT 1 IN (AIR) or ANT 2 IN (CABLE) terminal on the TV.
4. Connect a Video Cable between the VIDEO OUT jack on the VCR and the AV IN 1 (or AV IN 2) [VIDEO] jack on the TV.
5. Connect Audio Cables between the AUDIO OUT jacks on the VCR and the AV IN 1 (or AV IN 2) [R-AUDIO-L] jacks on the TV.

   ➢ If you have a “mono” (non-stereo) VCR, use a Y-connector (not supplied) to hook up to the right and left audio input jacks of the TV. If your VCR is stereo, you must connect two cables.





Follow the instructions in “Viewing a VCR or Camcorder Tape” to view your VCR tape.

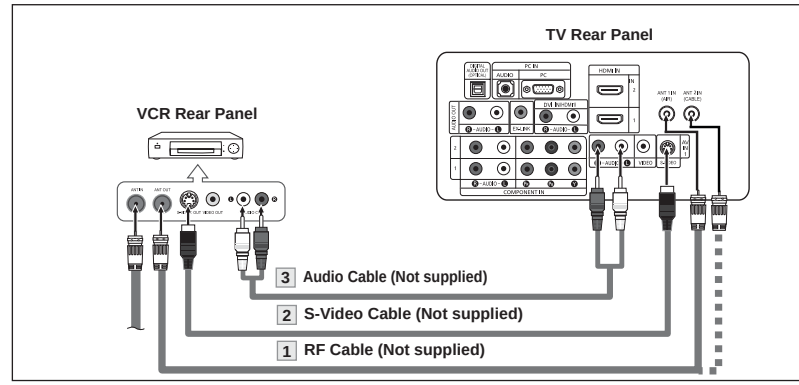
➢ Each VCR has a different back panel configuration.

➢ When connecting a VCR, match the color of the connection terminal to the cable.

S-Video Connection

Your Samsung TV can be connected to an S-Video signal from an VCR.
(This connection delivers a better picture as compared to a standard VCR.)

1. To begin, follow steps 1–3 in the previous section to connect the antenna or cable to your VCR and your TV.
2. Connect an S-Video Cable between the S-VIDEO OUT jack on the VCR and the AV IN1 [S-VIDEO] jack on the TV.
3. Connect Audio Cables between the AUDIO OUT jacks on the VCR and the AV IN1 [R-AUDIO-L] jacks on the TV.



An S-Video cable may be included with a VCR. (If not, check your local electronics store.)

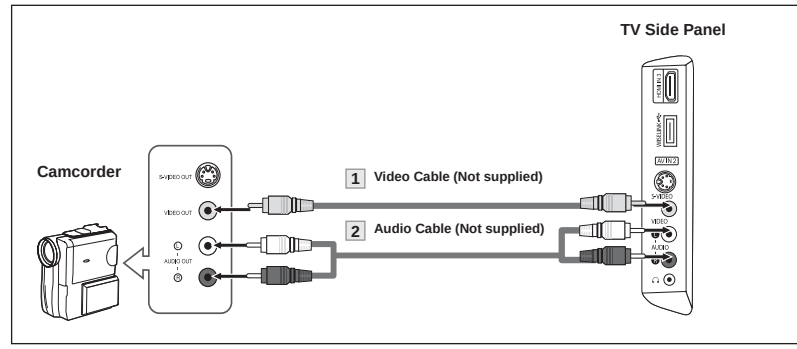
➢ Each VCR has a different back panel configuration.

➢ When connecting a VCR, match the color of the connection terminal to the cable.

Connecting a Camcorder

The side panel jacks on your TV make it easy to connect a camcorder to your TV.
They allow you to view the camcorder tapes without using a VCR

1. Connect a Video Cable between the AV IN2 [VIDEO] jack on the TV and the VIDEO OUT jack on the camcorder.
2. Connect Audio Cables between the AV IN2 [R-AUDIO-L] jacks on the TV and the AUDIO OUT jacks on the camcorder.

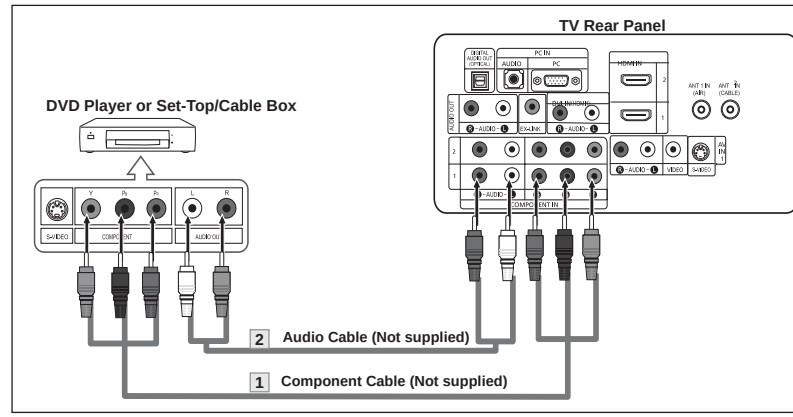


➢ Each Camcorder has a different back panel configuration.
➢ When connecting a Camcorder, match the color of the connection terminal to the cable.

Connecting a DVD Player or Set-Top/Cable Box

The rear panel jacks on your TV make it easy to connect a DVD player or Set-Top/Cable box to your TV.

1. Connect a Component Cable between the COMPONENT IN(1 or 2) [Y, P_B, P_R] jacks on the TV and the COMPONENT [Y, P_B, P_R] jacks on the DVD player or Set-Top/Cable Box.
2. Connect Audio Cables between the COMPONENT IN(1 or 2) [R-AUDIO-L] jacks on the TV and the AUDIO OUT jacks on the DVD player or Set-Top/Cable Box.

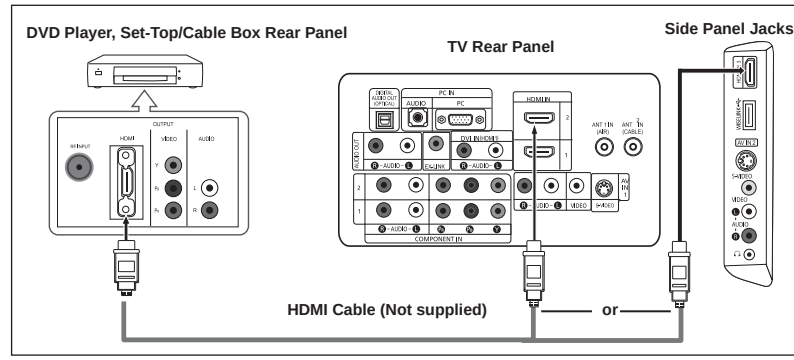


➢ Component video separates the video into Y (Luminance (brightness)), Pb (Blue) and Pr (Red) for enhanced video quality.
Be sure to match the component video and audio connections.
For example, if connecting the video cable to COMPONENT IN, connect the audio cable to COMPONENT IN also.
➢ Each DVD Player and Set-Top/Cable box has a different back panel configuration.
➢ When connecting a DVD player or Set-Top/Cable box, match the color of the connection terminal to the cable.

Connecting a DVD Player or Set-Top/Cable Box via HDMI

This connection can only be made if there is an HDMI Output connector on the external device.

1. Connect an HDMI Cable between the HDMI IN (1,2 or 3) jack on the TV and the HDMI jack on the DVD player or Set-Top/Cable Box.



What is HDMI?

- HDMI(High-Definition Multimedia Interface), is an interface that enables the transmission of digital audio and video signals using a single cable
- The difference between HDMI and DVI is that the HDMI device is smaller in size and has the HDCP (High Bandwidth Digital Copy Protection) coding feature installed

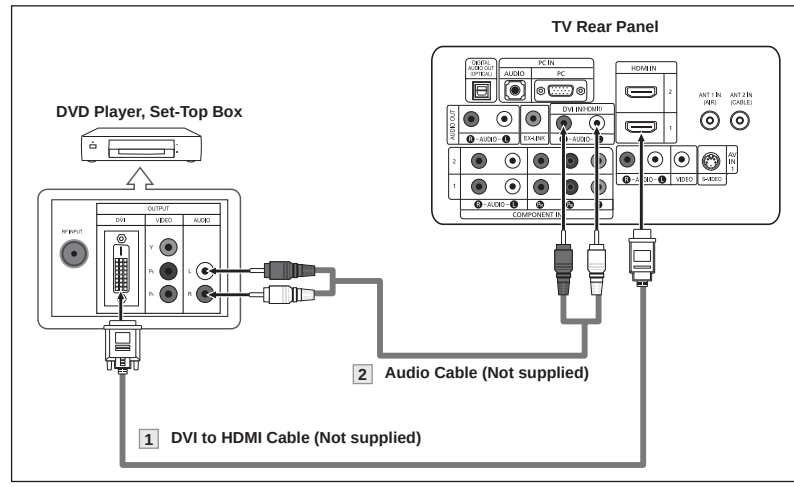
➢ Each DVD player and or Set-Top/Cable box has a different back panel configuration.

Connecting a DVD Player or Set-Top/Cable Box via DVI

This connection can only be made if there is a DVI Output connector on the external device.

1. Connect a DVI to HDMI Cable or DVI-HDMI Adapter between the HDMI IN 1 jack on the TV and the DVI jack on the DVD player or Set-Top/Cable Box.

2. Connect Audio Cables between the DVI IN (HDMI 1) [R-AUDIO-L] jack on the TV and the AUDIO OUT jacks on the DVD player or Set-Top/Cable Box.



➢ Each DVD player and Set-Top/Cable Box has a different back panel configuration.

➢ When connecting a DVD player or Set-Top/Cable Box, match the color of the connection terminal to the cable.

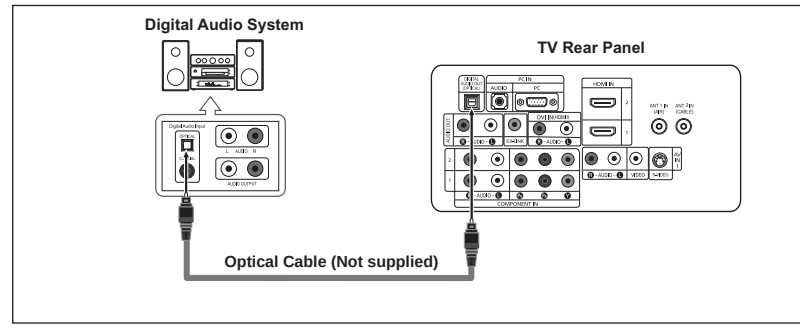
➢ When using an HDMI/DVI cable connection,you must use the HDMI IN1 jack.

Connecting a Digital Audio System

The rear panel jacks on your TV make it easy to connect a Digital Audio System to your TV.

1. Connect an Optical Cable between the “DIGITAL AUDIO OUT (OPTICAL)” jacks on the TV and the Digital Audio Input jacks on the Digital Audio System.

   When a Digital Audio System is connected to the “DIGITAL AUDIO OUT (OPTICAL)” terminal: Decrease the volume of the TV, and adjust the volume level with the system’s volume control.

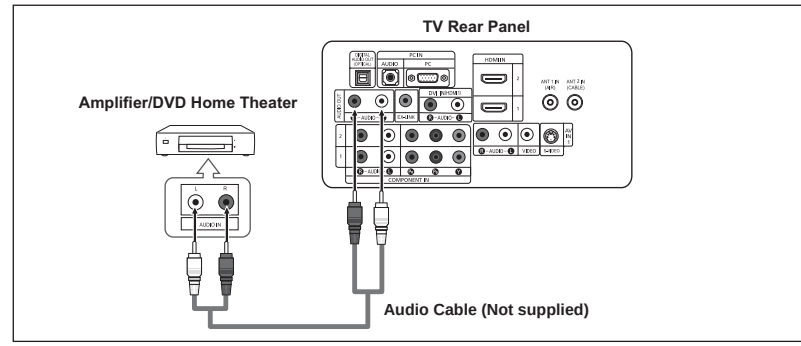


➢ 5.1CH audio is possible when the TV is connected to an external device supporting 5.1CH.
➢ Each Digital Audio System has a different back panel configuration.

Connecting an Amplifier/DVD Home Theater

1. Connect Audio Cables between the AUDIO OUT [R-AUDIO-L] on the TV and AUDIO IN [R-AUDIO-L] on the Amplifier/DVD Home Theater.

   When an audio amplifier is connected to the "AUDIO OUT [L-AUDIO-R]" terminals: Decrease the volume of the TV, and adjust the volume level with the Amplifier’s volume control.



➢ Each Amplifier/DVD Home Theater has a different back panel configuration.
➢ When connecting an Amplifier/DVD Home Theater, match the color of the connection terminal to the cable.

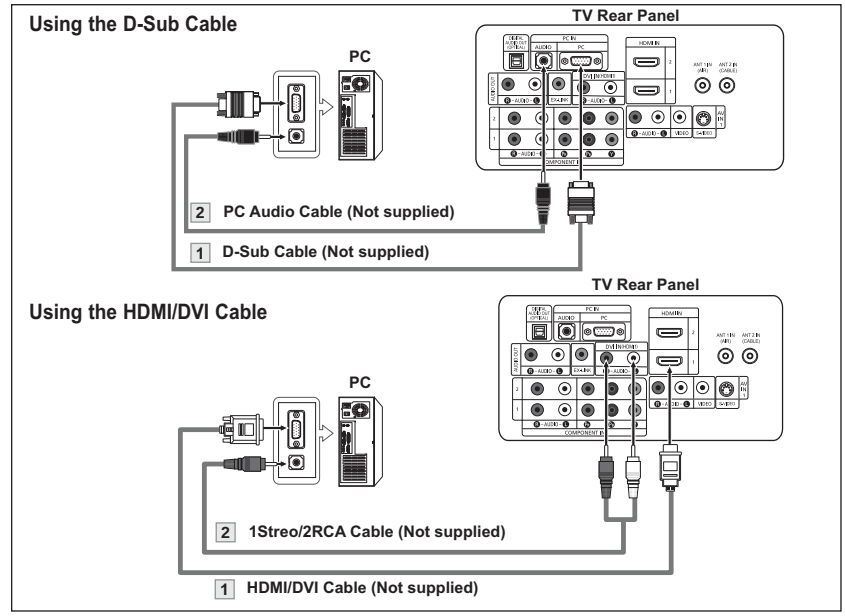
Connecting a PC

Using the D-Sub Cable

1. Connect a D-Sub Cable between PC IN [PC] connector on the TV and the PC output connector on your computer.
2. Connect a PC Audio Cable between PC IN [AUDIO] jack on the TV and the Audio Out jack of the sound card on your computer.

Using the HDMI/DVI Cable

1. Connect a HDMI/DVI cable between the HDMI1/DVI IN jack on the TV and the PC output jack on your computer.
2. Connect a 1Stereo/2RCA cable between the DVI IN [L-AUDIO-R] jack on the TV and the Audio Out jack of the sound card on your computer.



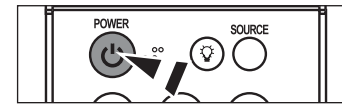
➢ Each PC has a different back panel configuration.
➢ When connecting a PC, match the color of the connection terminal to the cable.
➢ When using an HDMI/DVI cable connection,you must use the HDMI IN1 terminal.

Operation

Turning the TV On and Off

Press the **POWER** ⏻ button on the remote control.

You can also use the ⏻ button on the front of the panel.

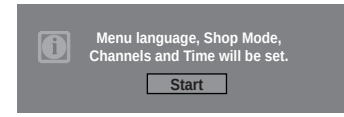


Plug & Play Feature

When the TV is initially powered on, basic settings proceed automatically and subsequently:

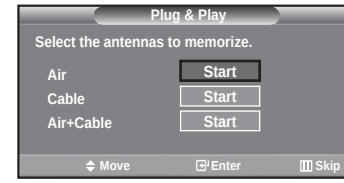
1. Press the **POWER** button on the remote control.
   The message “Menu language, Shop Mode, Channels and Time will be set.” is displayed.

   Press the **ENTER** button, then “Select the language of the OSD” menu is automatically displayed.

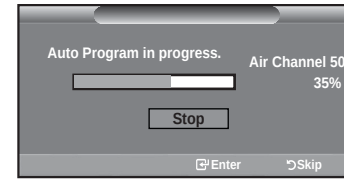


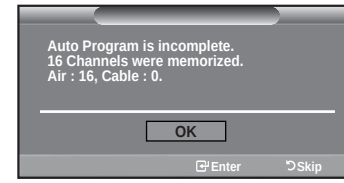
2. Press the ▲ or ▼ buttons to select language, then press the **ENTER** button.
   The message “Select Home Mode when installing this TV at home.” is displayed.
3. Press the ◄ or ► buttons to select “Shop” or “Home”, then press the **ENTER** button.
   The message “Select the antennas to memorize.” is displayed.

   ➢ We recommend setting the TV to Home mode for the best picture in your home environment.
   ➢ Shop mode is only intended for use in retail environments.
   ➢ If the unit is accidentally set to Shop mode and you want to return to Dynamic (Home) mode, press any Volume button and then hold down the **MENU** button for five seconds on the side panel of the TV.
4. Press the ▲ or ▼ buttons to memorize the channels of the selected connection.
   Press the **ENTER** button to select “Start”.
   ➢ If the antenna is connected to ANT 1(AIR), select “Air” and if it is connected to ANT 2 (CABLE), select “Cable”.
   ➢ If both ANT 1 (AIR) and ANT 2 (CABLE) are connected, select the “Air + Cable”.
   ➢ In Cable mode, you can select the correct signal source among STD, HRC, and IRC by pressing the ▲ or ▼ button, then press the **ENTER** button. Contact your local cable company to identify the type of cable system that exists in your particular area.

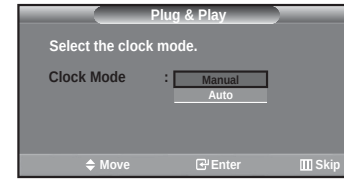


5. The TV will begin memorizing all of the available channels.
   After all the available channels are stored, the Auto program menu reappears.
   Press the **ENTER** button when channel memorization is complete.
   The message “Select the clock mode.” is displayed.
   ➢ To stop the search before it has finished, press the **ENTER** button with stop selected.



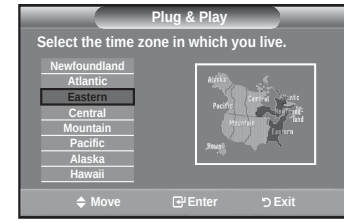


6. Press the **ENTER** button.
   Press the ▲ or ▼ buttons to select “Manual” or “Auto”, then Press the **ENTER** button.
   The message “Set to daylight savings time.” is displayed.

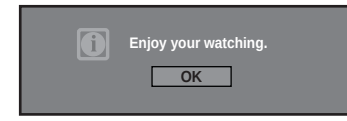


7. Press the ▲ or ▼ buttons to select “No” or “Yes”, then press the **ENTER** button.
The message “Select the time zone in which you live.” is displayed.

8. Press the ▲ or ▼ buttons to highlight the time zone for your local area
Press the **ENTER** button. If you have received a digital signal, the time will be set automatically.
If not, see page 48 to set the clock.

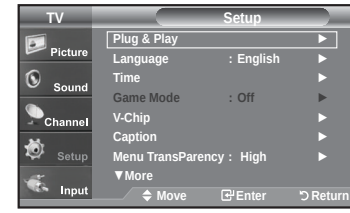


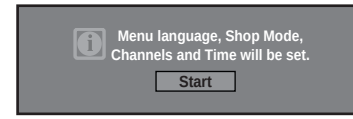
9. The message “Enjoy your watching.” is displayed.
When you have finished, press the **ENTER** button.



If you want to reset this feature...

1. Press the **MENU** button to display the menu.
Press the ▲ or ▼ buttons to select "Setup", then press the **ENTER** button.
2. Press the **ENTER** button again, to select "Plug & Play".
3. The message “Menu language, Shop Mode, Channels and Time will be set.” is displayed.



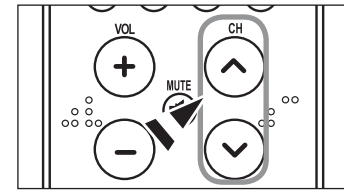


Changing Channels

Using the Channel Buttons

1. Press the **CH**⌃ or **CH**⌄ button to change channels.

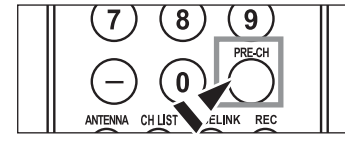
➢ When you press the **CH**⌃ or **CH**⌄ button, the TV changes channels in sequence.
You will see all the channels that the TV has memorized. (The TV must have memorized at least three channels). You will not see channels that were either erased or not memorized. See page 16 to memorize channels.



Using the PRE-CH Button to select the Previous Channel

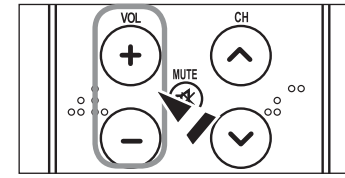
1. Press the **PRE-CH** button.
The TV will switch to the last channel viewed.

➢ To quickly switch between two channels that are far apart, tune to one channel, then use the number button to select the second channel. Then use the **PRE-CH** button to quickly alternate between them.



Adjusting the Volume

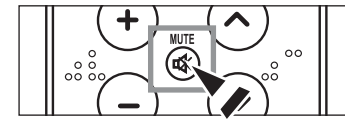
1. Press the **VOL** ⊖ or **VOL** ⊕ buttons to decrease or increase the volume.



Using Mute

At any time, you can cut off the sound using the **MUTE** button.

1. Press **MUTE** button and the sound cuts off.
   The word "Mute" will appear in the lower-left corner of the screen.
2. To turn mute off, press the **MUTE** button again, or simply press the **VOL** ⊖ or **VOL** ⊕ buttons.

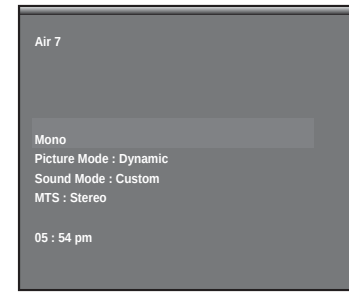


Viewing the Display

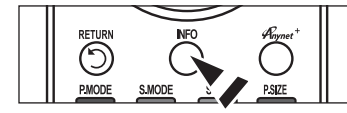
The display identifies the current channel and the status of certain audio-video settings.

1. Press the **INFO** button on the remote control.

   The TV will display the channel, the type of sound, and the status of certain picture and sound settings.



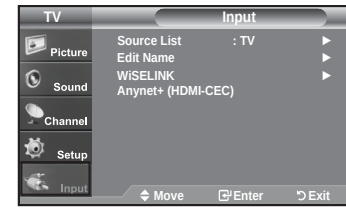
Press the **INFO** button once more or wait approximately 10 seconds and the display disappears automatically.



Viewing the Menus

1. With the power on, press the **MENU** button.
   The main menu appears on the screen. The menu' s left side has five icons: Picture, Sound, Channel, Setup, Input.
2. Use the ▲ or ▼ buttons to select one of the five icons.
   Then press the **ENTER** button to access the icon's sub-menu.
3. Press the **EXIT** button to exit.

The on-screen menus disappear from the screen after about one minute.



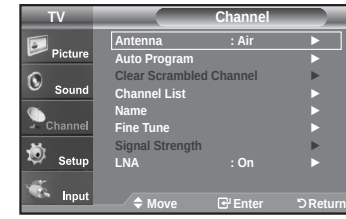
Memorizing the Channels

Your TV can memorize and store all of the available channels for both "off-air" (Air) and "Cable" channels. After the available channels are memorized, use the **CH**▲ or **CH**▼ buttons to scan through the channels. This eliminates the need to change channels by entering the channels digits. There are three steps for memorizing channels: selecting a broadcast source, memorizing the channels (automatic) and adding or deleting channels (Channel Lists).

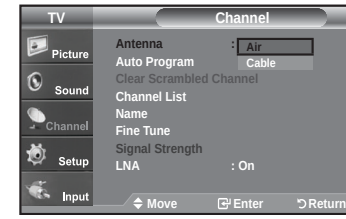
Selecting the Video Signal-source

Before your television can begin memorizing the available channels, you must specify the type of signal source that is connected to the TV (i.e. an Air or a Cable system).

1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ buttons to select "Channel", then press the **ENTER** button.

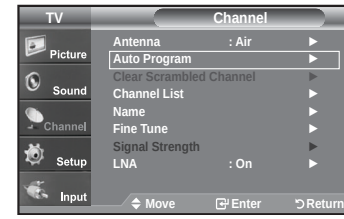


2. Press the **ENTER** button select "Antenna".
   Press the ▲ or ▼ buttons to select "Air" or "Cable", then press the **ENTER** button.
   Press the **EXIT** button to exit.



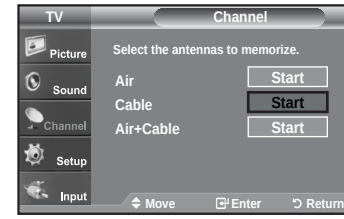
Storing Channels in Memory (Automatic Method)

1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ buttons to select “Channel”, then press the **ENTER** button.
2. Press the ▲ or ▼ buttons to select "Auto Program", then press the **ENTER** button.



3. Press the ▲ or ▼ buttons to select the antenna connection, then press the **ENTER** button.

   ➢ Air: “Air” antenna signal. / Cable: “Cable” antenna signal. / Air+Cable: “Air” and “Cable” antenna signals.



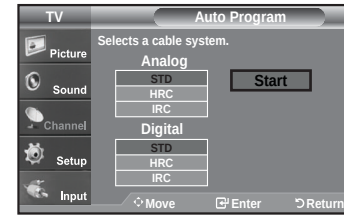
4. When selecting the Cable TV system : Press the **ENTER** button to start the auto program. By default, the cable TV system is set to “STD”. If you want to select another type of cable system, press the ▲ or ▼ button to select “STD”, “HRC” or “IRC”.

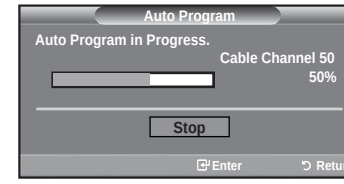
   ➢ STD, HRC and IRC identify various types of cable TV systems. Contact your local cable company to identify the type of cable system that exists in your particular area. At this point the signal source has been selected.

   Press the **ENTER** button to start the auto program.

   ➢ To stop the search before it has finished, press the **ENTER** button with stop selected.

5. After all the available channels are stored, the “Auto Program” menu reappears. Press the **EXIT** button to exit.

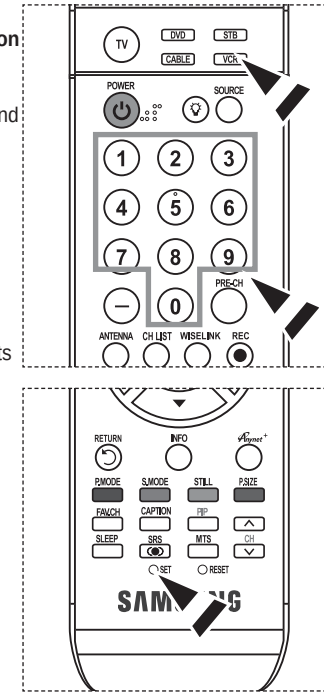




Setting Up Your Remote Control

After the television has been set up properly, your remote control can operate in five different modes: TV, DVD, Cable, Set-Top Box, VCR. Pressing the corresponding button on the remote control allows you to switch between these modes, and control whichever piece of equipment you choose.

➢ The remote control might not be compatible with all DVD Players, VCRs, Cable boxes, and Set-Top Boxes.



Setting Up the Remote to Operate Your VCR

1. Turn off your VCR.
2. Press the **VCR** button on your TV's remote control.
3. Press the **SET** button on your TV's remote control.
4. Using the number buttons on your remote control, enter three digits of the VCR code listed on page 19 of this manual for your brand of VCR. Make sure you enter three digits of the code, even if the first digit is a "0".
   (If more than one code is listed, try the first one.)
5. Press the **POWER** ⏻ button on the remote control.
   Your VCR should turn on if your remote is set up correctly.

   If your VCR does not turn on after set up, repeat steps 2, 3, and 4, but try one of the other codes listed for your brand of VCR.
   If no other codes are listed, try each VCR code, 000 through 080.

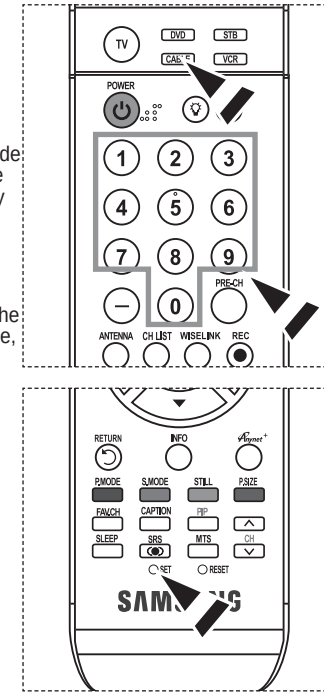
➢ Note on Using Remote Control Modes: VCR
When your remote control is in "VCR" mode, the volume buttons still control your TV's volume.

Setting Up the Remote to Operate Your Cable Box

1. Turn off your cable box.
2. Press the **CABLE** button on your TV's remote control.
3. Press the **SET** button on your TV's remote control.
4. Using the number buttons on your remote control, enter three digits of the cable box code listed on page 20 of this manual for your brand of cable box. Make sure you enter three digits of the code, even if the first digit is a "0". (If there is more than one code listed, try the first one.)
5. Press the **POWER** ⏻ button on the remote control.
   Your cable box should turn on if your remote is set up correctly.

   If your cable box does not turn on after set up, repeat steps 2, 3, and 4, but try one of the other codes listed for your brand of cable box. If no other codes are listed, try each code, 000 through 046.

➢ Note on Using Remote Control Modes: Cable Box
When your remote control is in "CABLE" mode, the volume buttons still control your TV's volume.

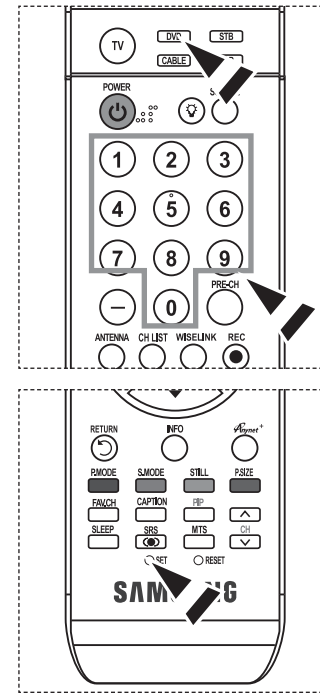


Setting Up the Remote to Operate Your DVD

1. Turn off your DVD.
2. Press the **DVD** button on your TV's remote control.
3. Press the **SET** button on your TV's remote control.
4. Using the number buttons on your remote control, enter three digits of the DVD code listed on page 20~21 of this manual for your brand of DVD.
   Make sure you enter three digits of the code, even if the first digit is a "0".
   (If there is more than one code listed, try the first one.)
5. Press the **POWER** ⏻ button on the remote control.
   Your DVD should turn on if your remote is set up correctly.

   If your DVD does not turn on after set up, repeat steps 2, 3, and 4, but try one of the other codes listed for your brand of DVD.
   If no other codes are list-ed, try each code, 000 through 141.

➢ Note on Using Remote Control Modes: DVD
When your remote control is in "DVD" mode, the volume buttons still control your TV's volume.

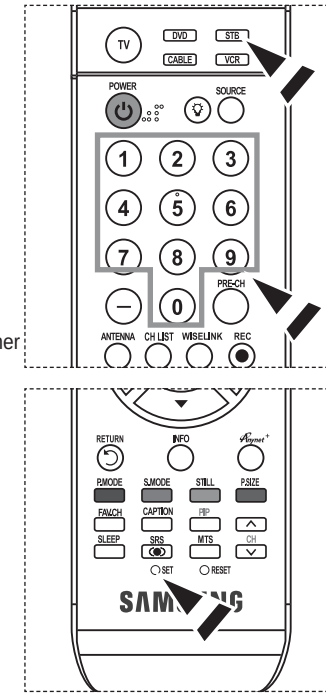


Setting Up the Remote to Operate Your STB

1. Turn off your STB.
2. Press the **STB** button on your TV's remote control.
3. Press the **SET** button on your TV's remote control.
4. Using the number buttons on your remote control, enter three digits of the STB code listed on page 21 of this manual for your brand of STB.
   Make sure you enter three digits of the code, even if the first digit is a "0".
   (If there is more than one code listed, try the first one.)
5. Press the **POWER** ⏻ button on the remote control.
   Your STB should turn on if your remote is set up correctly.

   If your STB does not turn on after set-up, repeat steps 2, 3 and 4, but try one of the other codes listed for your brand of STB.
   (If no other codes are listed, try each code, 000 through 074.)

➢ Note on Using Remote Control Modes: STB
When your remote control is in "STB" mode, the volume buttons still control your TV's volume.



Remote Control Codes

➢ **VCR**

Brand	Code
SAMSUNG	000 001 002 003 004 005 077 078 079
ADMIRAL	020
AIWA	025
AKAI	004 027 032
AUDIO DYNAMICS	007 026
BELL&HOWELL	018
BROKSONIC	022
CANDLE	002 003 006 008 015 055
CANON	021 056
CITIZEN	002 003 006 008 015 055
COLORTYME	007
CRAIG	002 024
CURTIS MATHES	002 007 008 017 021 025 056 064 066
DAEWOO	003 010 011 012 013 014 015 016
DB	007 026
DIMENSIA	017
DYNATECH	025
ELECTROHOME	034
EMERSON	001 003 006 021 022 025 030 032 034 040 047 050 052 060 063 065 066 067 069 073
FISHER	018 024 028 029 048 051 061
FUNAI	025
GENERAL ELECTRIC	002 005 017 021 056
GO VIDEO	002
HARMAN KARDON	007
HITACHI	019 025 041 042 074
INSTANT REPLAY	021
JC PENNEY	002 007 018 019 021 026 037 041 054 056
JCL	007 008 018 021 026 037
JVC	081 082 083
KENWOOD	007 008 018 021 026 037
KLH	070
KONIA	036
LG(Goldstar)	006 007 008 009 010
LIOYD	025
LOGIK	038
LXI	025
MAGNAVOX	021 056 059
MARANTZ	007 008 018 021 026 037 062
MARTA	006
MEI	021
MEMOREX	006 021 024 025
MGA	034
MIDLAND	005
MINOLTA	019 041 075
MITSUBISHI	019 034 041 046

Brand	Code
MONTGOMERY WARD	020
MTC	002 025
MULTITECH	002 005 025 038
NEC	007 008 018 026 037 062 064
OPTIMUS	020
ORION	073 074 075 076
PANASONIC	021 056 071 072
PENTAX	019 041 075
PENTEX RESEARCH+	008
PHILCO	021 056 059
PHILIPS	021 080
PIONEER	019 026 039 053
PORTLAND	015 049 055
PROSCAN	017
QUARTZ	018
QUASAR	021 056
RADIO SHACK/ REALISTIC	006 018 020 021 024 025 029 034 048 056
RCA	002 017 019 021 035 041 043 057 068 076
SANSUI	026
SANYO	018 024
SCOTT	003 047 052 067
SEARS	006 018 019 024 028 029 041 048 051
SHARP	020 034 045 015
SHIMTOM	027 033 038 058
SIGNATURE	025
SONY	027 033 044
SYLVANIA	021 025 056 059
SYMPHONIC	025
TANDY	018 025
TASHIKA	006
TATUNG	037
TEAC	025 037 068
TECHNICS	021
TEKNIKA	006 021 025 031
TMK	066
TOSHIBA	003 019 029 051 052
TOTEVISION	002 006
UNITECH	002
VECTOR RESEARCH	007 026
VICTOR	026
VIDEO CONCEPTS	007 026
VIDEOSONIC	002
WARDS	002 003 006 019 020 021 024 025 034 038 041
YAMAHA	007 008 018 026 037
ZENITH	023 027 033

➢ CABLE BOX

Brand	Code
SAMSUNG	000 001 002 003 004 005 006 007
GI	041
HAMLIN	003 024 031
HITACHI	025 030
JERROLD	038 039
MACOM	025 030
MAGNAVOX	019 023 028
OAK	026
PANASONIC	003 022 027 037 044
PHILIPS	019 021 023 028
PIONEER	004 018 020 044
RCA	014 022 040
REGAL	003

Brand	Code
REGENCY	015 023
SA	042 043
SCIENTIFIC ATLAN	042 043
SPRUCER	022
STARGATE 2000	036
SYLVANIA	016
TEXSCAN	016
TOCOM	032
UNIVERSAL	033 034
VIEWSTAR	019 021 023 028
WARNER AMEX	046
ZENITH	017 029 035 037 045

➢ SAMSUNG DVD

Product	Code
DVD	000 001 002
DVDR	003 004
BD Record	005 006
VCR COMBO	007 008 009 010 011
VCR Record	012
DHR COMBO	013

Product	Code
Home Theater VCR COMBO	014 015 016
HDD Recorder COMBO	017
TWIN TRAY COMBO	018
STB DVD COMBO	019
DVD Receiver	020
AV Receiver	021

➢ DVD

Brand	Code
ANAM	030
AUDIOVOX	075
AUDIOLOGIC	085
ANABA	072
APEX DIGITAL	070 071 074 086 083 084 088 111 112
AIWA	114
BROKSONIC	062
BLAUPUNKT	074
B&K	122 123
CURTIS MATHES	027
CYBER HOME	077 078 079 082
CLARION	080 125
CIRRUS	081
CYBER HOME	065
CINEVISION	095
DAEWOO	066
DENON	146
FARENHEIT	067 068
FISHER	090
GPX	060
GO VIDEO	061 089 133 135
GE	069 074
GREENHILL	074
HITACHI	064 113
HITEKER	071
HOYO	073
HARMAN / KARDON	091 110
IRT	089

Brand	Code
INTEGRA	092
JBL	091
JVC	022 033 115 116
JATON	073
KENWOOD	051 108 109
KISS	073
KONKA	059 100 106 107
KLH	074 075
LG(Goldstar)	025 031
LOEWE	057
LASONIC	058
MOBILE AUTHORITY	054
MEMOREX	055
MALATA	056
MAGNAVOX	076 093
MINTEK	074 094
MONYKA	073
NORCENT	048 049 050
NEXT BASE	052
NEC	053
NANTAUS	144
NESA	074
OPTOMEDIA ELECTRONICS	105
OPTIVIEW	072
ONKYO	076 092 119
PHILCO	044 045
PRINCETON	046 047
PROSCAN	023

➢ DVD

Brand	Code
PANASONIC	024 034 124 134 136 137 138
PHILIPS	036 076
ROTEL	117 118
RIO	120
RCA	023 035 074 075 131 132
RAITE	073
ROWA	038
SAMPO	104
SONY	026 029 126 127 128 129 130 141
SHERWOOD	039 041
SVA	042
SYLVANIA	043 093
SHARP	140
SANSUI	062
SANYO	062 090
SHINSONIC	094

Brand	Code
THOMSON	145
TOSHIBA	028 062 076
TECHNICS	139
TVIEW	072
TOKAI	073
TEAC	096
TECHWOOD	097
TREDEX	098 099 101
URBAN CONCEPTS	076
VENTURER	075
VOCOPRO	102
YAMAHA	032 063
YAMAKAWA	040 073
XWAVE	103
ZENITH	076 121

➢ SAMSUNG SET-TOP BOX

Product	Code
Ground wave STB	001 002
Satellite STB	003
CABLE STB	004
STB DVD COMBO	008
Satellite STB HDD COMBO Standard	009

Product	Code
Satellite STB HDD COMBO Premium	010
CABLE STB HDD COMBO Standard	011
CABLE STB HDD COMBO Premium	012
Ground wave STB HDD COMBO Standard	013
Ground wave STB HDD COMBO Premium	014

➢ SET-TOP BOX

Brand	Code
ALPHASTAR	023
ANAM	043
CHANNEL MASTER	018 034
CROSSDIGITAL	019
CHAPARRAL	035
DIRECT TV	015 016 017 019 022 045 060 061 062 065 066 067 068
DAEWOO	074
DISH NETWORK SYSTEM	069 070
DISHPRO	069
DRAKE	018 024 032
DX ANTENNA	027
ECHOSTAR	025 069 070 071
EXPRESSVU	069
GOI	069
GE	065
GENERAL INSTRUMENT	046 047 048 063 064
HTS	069
HOME CABLE	056
HITACHI	022
HUGHES NETWORK	015 017
IQ	020
IQ PRISM	020
JANEIL	059
JERROID	063
JVC	069 070
LG(Goldstar)	044 073

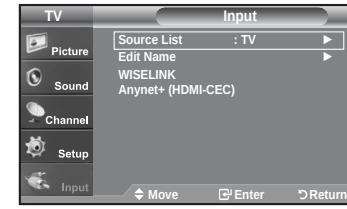
Brand	Code
MAGNAVOX	016 021 036 038 039 040 041 042
MEMOREX	016
MOTOROLA	064
MACOM	018
MITSUBISHI	015
NEXT LEVEL	047 048 064
PHILIPS	015 016 017 021 033 036 038 039 040 041 042 067
PRIMESTAR	046 049 050 063
PANASONIC	058 059 061 062
PAYSAT	016
PROSCAN	065 066
RCA	051 052 053 065 066
RADIOSHACK	064
REALISTIC	057
STAR TRAK	026
STS	020 027
SKY	031
SKY LIFE	005 006 007
SHACK	064
STAR CHOICE	064
SONY	054 060
TOSHIBA	015 017 028 029 030 072
ULTIMATE TV	060 066
UNIDEN	016 021 037 055 056 057
ZENITH	024 031 068

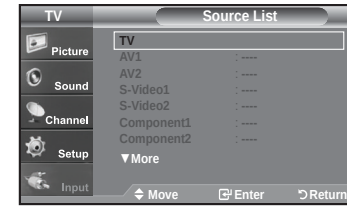
To Select the Source

Use to select TV or other external input sources connected to the TV.
Use to select the input source of your choice.

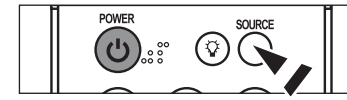
1. Press the **MENU** button to display the menu.
   Press the▲ or ▼ buttons to select “Input”, then press the **ENTER** button.
2. Press the **ENTER** button to select "Source List".
   Press the ▲ or ▼ buttons to select signal source, then press the **ENTER** button.
   - ➢ When you connect equipment to the LCD, you can choose between the following sets of jacks: TV, AV1, AV2, S-Video1, S-Video2, Component1, Component2, PC, HDMI1, HDMI2, HDMI3 on the TV’s rear panel.
   - ➢ HDMI1, HDMI2, HDMI3 input can only be selected when the external device is turned on and connected via HDMI.
   - ➢ AV2/S-Video2/HDMI3 is located on the side of the TV.

➢ You can choose only those external devices that are connected to the TV.





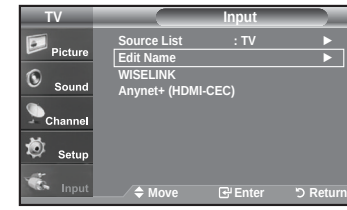
Press the **SOURCE** button on the remote control to view an external signal source.



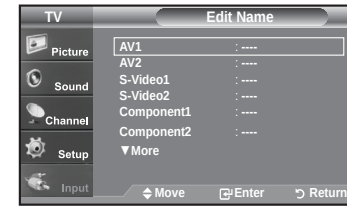
To Edit the Input Source Name

Name the device connected to the input jacks to make your input source selection easier.

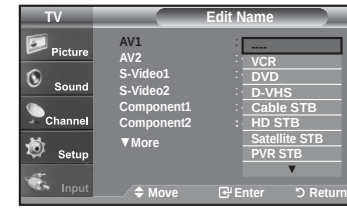
1. Press the **MENU** button to display the menu.
   Press the▲ or ▼ buttons to select “Input”, then press the **ENTER** button.
   Press the ▲ or ▼ buttons to select "Edit Name", then press the **ENTER** button.



2. Press the ▲ or ▼ buttons to select "AV1", "AV2", "S-Video1", "S-Video2", "Component1", "Component2", "PC", "HDMI1", "HDMI2", "HDMI3" input jack, then press the **ENTER** button.



3. Press the ▲ or ▼ buttons to select "VCR", "DVD", "D-VHS", "Cable STB", "HD STB", "Satellite STB", "PVR STB", "AV Receiver", "DVD Receiver", "Game", "Camcorder", "DVD Combo", "PC", "VOD STB", "TV" input source, then press the **ENTER** button.
   Press the **EXIT** button to exit.

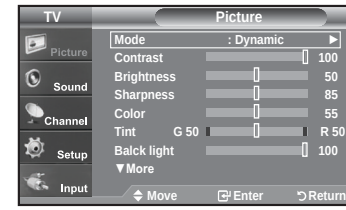


Picture Control

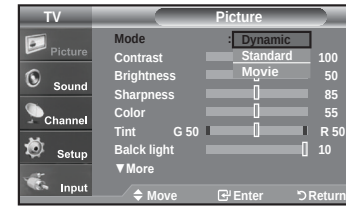
Using Automatic Picture Settings

Your TV has Three automatic picture settings ("Dynamic", "Standard", "Movie") that are preset at the factory.
You can activate either Dynamic, Standard, Movie by making a selection from the menu.

1. Press the **MENU** button to display the menu.
   Press the **ENTER** button, to select “Picture”.



2. Press the **ENTER** button to select "Mode".
   Press the ▲ or ▼ buttons to select the "Dynamic", "Standard", "Movie" picture setting. Press the **ENTER** button.

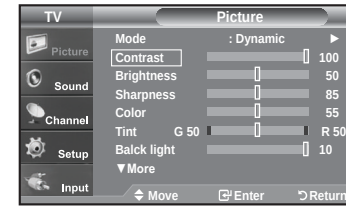


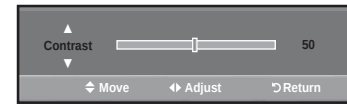
- Choose **Dynamic** to increase the clarity and sharpness of the picture.
- Choose **Standard** for the standard factory settings.
- Choose **Movie** for a natural Image without picture enhancements.

3. Press the ▲ or ▼ buttons to select "Contrast", "Brightness", "Sharpness", "Color", or "Tint(G/R)", then press the **ENTER** button.

4. Press the ◄ or ► buttons to decrease or increase the value of a particular item.
   For example, if you select "Contrast", pressing the ► button increases it.
   Press the **ENTER** button.

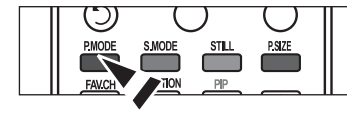
   Press the **EXIT** button to exit.





➢ • When you make changes to Contrast, Brightness, Sharpness, Color, Tint(G/R) the OSD will be adjusted accordingly.
  • When in PC mode, Tint, Sharpness, and Color are not available.

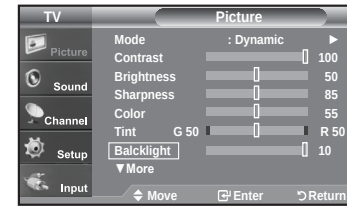
Press the **P.MODE** button on the remote control repeatedly to select the desired picture mode.

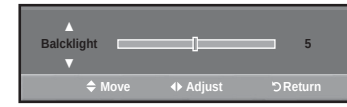


Activating Backlight

You can adjust the screen brightness by adjusting the LCD backlight brightness. (0~10)

1. Press the **MENU** button to display the menu.
   Press the **ENTER** button to select “Picture”.
2. Press the ▲ or ▼ button to select “Backlight”, then press the **ENTER** button.
3. Press the ◄ or ► button to decrease or increase the valueof the backlight brightness.
   Press the **ENTER** button.
   Press the **EXIT** button to exit.



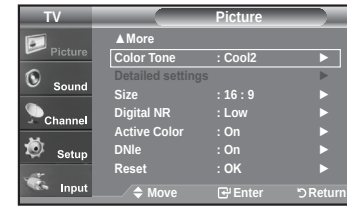


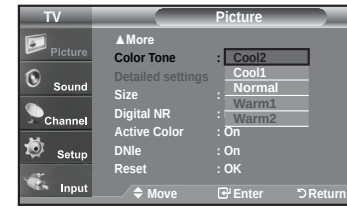
Adjusting the Color Tone

You can change the color of the entire screen according to your preference.

1. Press the **MENU** button to display the menu.
   Press the **ENTER** button to select “Picture”.
2. Press the ▲ or ▼ button to select "Color Tone", then press the **ENTER** button.
3. Press the ▲ or ▼ button to select "Cool2", "Cool1", "Normal", "Warm1", or "Warm2".
   Press the **ENTER** button.

   ➢ When the picture mode is set to Dynamic or Standard, Warm1 and Warm2 cannot be selected. Movie mode is only available.

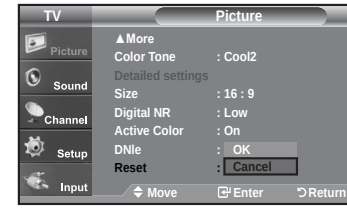




Resetting the Picture Settings to the Factory Defaults

1. Press the ▲ or ▼ button to select "Reset", then press the **ENTER** button.
   Press the ▲ or ▼ button to select “Cancel” or “OK” then press the **ENTER** button.
   Press the **EXIT** button to exit.

   ➢ Each mode can be reset.

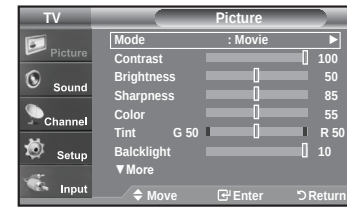


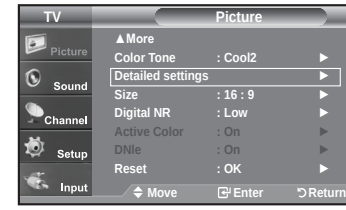
Adjusting the Detailed Settings

You can set Detailed picture settings.

Activating Detailed Settings

1. Press the **MENU** button to display the menu.
   Press the **ENTER** button to select “Picture”.
2. Press the **ENTER** button to select “Mode”
   Press the ▲ or ▼ button to select “Movie”, then press the **ENTER** button.
3. Press the ▲ or ▼ button to select “Detailed settings”, then press the **ENTER** button.
   ➢ Picture Mode is available in Standard or Movie mode.
   ➢ If DNIe is Off, the Detailed Settings cannot be selected when the Picture mode is in Standard mode.



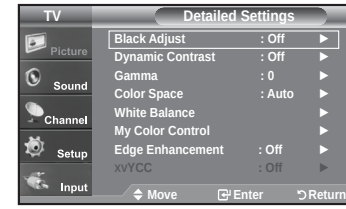


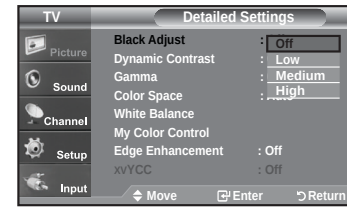
Activating Black adjust

You can directly select the black level on the screen to adjust the screen depth.

4. Press the ▲ or ▼ button to select “Black adjust”, then press the **ENTER** button.
5. Press the ▲ or ▼ button to select “Off”,“Low”,“Medium”,“High”.
   Press the **ENTER** button.

- **Off:** Turns off the black adjustment function.
- **Low:** Sets the black color depth to low.
- **Medium:** Sets the black color depth to medium.
- **High:** Sets the black color depth to high.



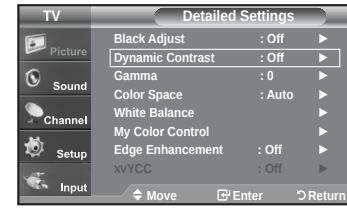


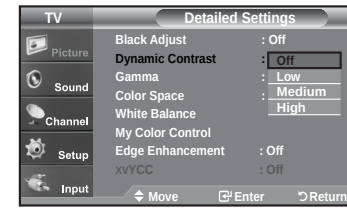
Activating Dynamic Contrast

You can adjust the screen contrast so that the optimal contrast is provided.

6. Press the ▲ or ▼ button to select “Dynamic Contrast”, then press the **ENTER** button.
7. Press the ▲ or ▼ button to select “Off”,“Low”,“Medium”,“High”.
   Press the **ENTER** button.

- **Off:** Turns off the dynamic contrast adjustment function.
- **Low:** Sets the dynamic contrast to low.
- **Medium:** Sets the dynamic contrast to medium.
- **High:** Sets the dynamic contrast to high.

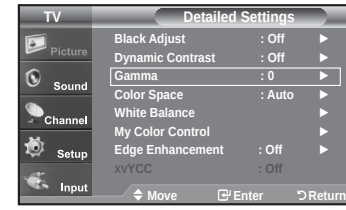


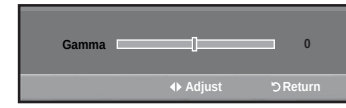


Activating Gamma

You can adjust the middle brightness of pictures. (-3 ~ 3)

8. Press the ▲ or ▼ button to select “Gamma”, then press the **ENTER** button.
9. Press the ◄ or ► button to decrease or increase the value of a particular item. Press the **ENTER** button.



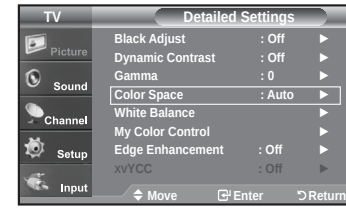


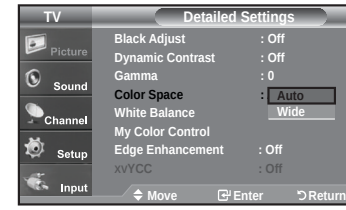
Changing the Color Space

Color space is a color matrix composed of red, green, and blue colors.
Select your favorite color space to experience the most natural color.

10. Press the ▲ or ▼ button to select “Color Space”, then press the **ENTER** button.
11. Press the ▲ or ▼ button to select “Auto” or “Wide”. Press the **ENTER** button.

- **Wide :** Wide Color Space offers deep and rich color tone.
- **Auto :** Auto Color Space automatically adjusts to the most natural color tone based on program sources.





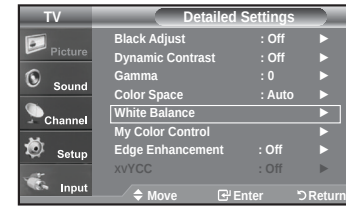
Activating White Balance

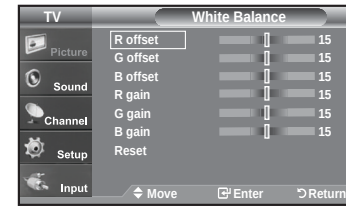
You can adjust the color temperature for more natural picture colors.

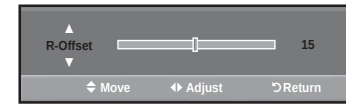
12. Press the ▲ or ▼ button to select “White Balance”, then press the **ENTER** button.
13. Select the required option by pressing the ▲ or ▼ button, then press the **ENTER** button.
14. Press the ◄ or ► button to decrease or increase the value of a particular item. Press the **ENTER** button.

- **R offset:** Adjusts the red color darkness.
- **G offset:** Adjusts the green color darkness.
- **B offset:** Adjusts the blue color darkness.
- **R gain:** Adjusts the red color brightness.
- **G gain:** Adjusts the green color brightness.
- **B gain:** Adjusts the blue color brightness.
- **Reset:** The previously adjusted white balance will be reset to the factory defaults.

➢ Changing the adjustment value will refresh the adjusted screen.







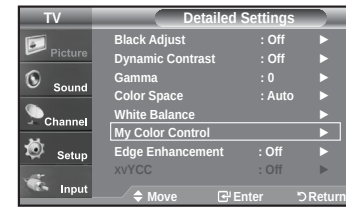
Activating My Color Control

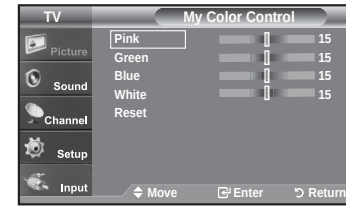
This setting can be adjusted to suit your personal preferences. When using the My Color Control Feature, the current picture remains in movement.

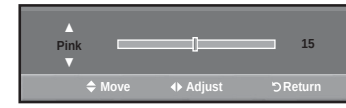
15. Press the **ENTER** button to select “My Color Control”.
16. Press the ▲ or ▼ button to select “Pink”,“Green”,“Blue”,“White”,“Reset”. Press the **ENTER** button.
17. Press the ◄ or ► button to decrease or increase the value of a particular item. Press the **ENTER** button.

- **Pink:** Darkens or lightens the pink color
- **Green:** Darkens or lightens the green color
- **Blue:** Darkens or lightens the blue color
- **White:** Darkens or lightens the white color
- **Reset:** The previously adjusted colors will be reset to the factory defaults.

➢ Changing the adjustment value will refresh the adjusted screen.



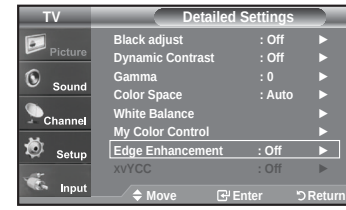


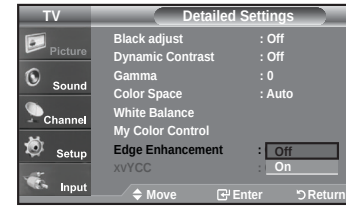


Activating Edge Enhancement

You can emphasize object boundaries in the picture.

18. Press the ▲ or ▼ button to select “Edge Enhancement”, then press the **ENTER** button.
19. Press the ▲ or ▼ button to select “Off” or “On”. Press the **ENTER** button.



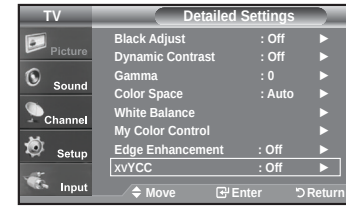


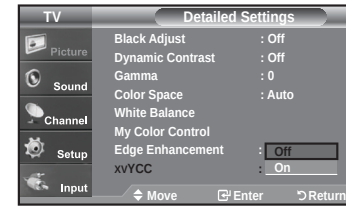
Activating xvYCC

The traditional TVs couldn’t clearly implement sharp, solid, and texture images.This TV can implement those effects using the xvYCC signals, which support extended color space. The traditional TVs couldn’t also implement part of colors for movie contents. This TV can implement the same colors as in the films using the xvYCC signals. Accordingly you can enjoy powerful color presentation of movies with your TV.

20. Press the ▲ or ▼ button to select “**xvYCC**”, then press the **ENTER** button.
21. Press the ▲ or ▼ button to select “Off” or “On”. Press the **ENTER** button.

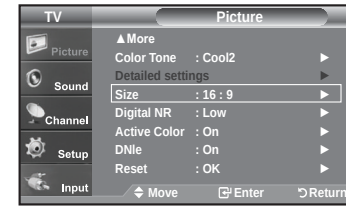
Press the **EXIT** button to exit.



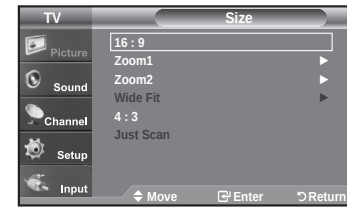


Changing the Screen Size

Occasionally, you may want to change the size of the image on your screen. Your TV comes with six screen size options, each designed to work best with specific types of video input. Your cable box or satellite receiver may have its own set of screen sizes as well.

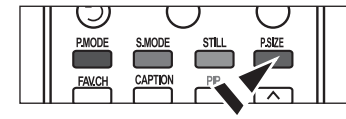


1. Press the **MENU** button to display the menu.
   Press the **ENTER** button, to select “Picture”.
2. Press the ▲ or ▼ buttons to select "Size", then press the **ENTER** button.



3. Press the ▲ or ▼ buttons to select the screen format you want.
   Press the **ENTER** button.

   Press the **EXIT** button to exit.

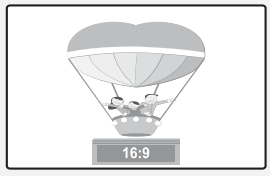


- **16:9** : Sets the picture to 16:9 wide mode.
- **Zoom1** : Magnifies the size of the picture on the screen.
- **Zoom2** :Magnifies the size of the picture more than “Zoom1”.
- **Wide Fit** : Enlarges the aspect ratio of the picture to fit the entire screen.
- **4:3** : Sets the picture to 4:3 normal mode.
- **Just Scan :** Use the function to see the full image without any cutoff when HDMI 720p/1080i/1080p signals are input.

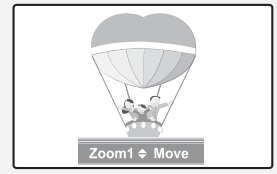
Alternately, you can press the **P.SIZE** button on the remote control repeatedly to change the picture size.

➢ If you watch a still image or the 4:3 mode for a long time (over 2 hours), an image may be burned onto the screen. View the TV in 16:9 mode as much as possible.

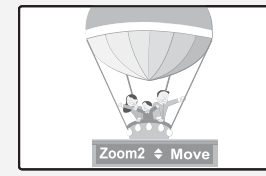
➢ HD (High Definition)
16:9 - 1080i/1080p (1920x1080), 720P (1280x720)



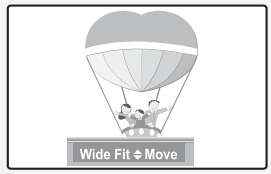
16:9
Sets the picture to 16:9 wide mode.



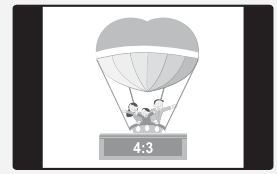
Zoom1
The screen size when Wide screen is vertically enlarged.



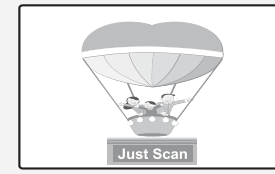
Zoom2
The screen size when the Zoom1 screen is vertically enlarged.



Wide Fit
Enlarges the aspect ratio of the picture to fit the entire screen.



4:3
Sets the picture to 4:3 normal mode.



Just Scan
Use the function to see the full image without any cutoff when HDMI (720p/1080i/1080p) or DTV (1080i) signals are input.

➢
- In TV, VIDEO, S-VIDEO, and all COMPONENT (480i, 480p) modes, all screen modes can be selected. (16:9 • Zoom1 • Zoom2 • 4:3).
- You can select only the 16:9, 4:3 and Wide Fit screen sizes in the DTV Component (720p, 1080i) or HDMI (720p, 1080i) mode.
- In PC modes, only 16:9 & 4:3 modes can be selected.
- You must select Zoom with P. Size button on the remote if you want to move the Zoom 1or 2 picture up or down.
- When watching a DTV’s HD signal, you can use Wide Fit. Horizontal zoom (Wide Fit) sets the optical picture format by expanding it both horizontally and vertically. For example, you can reset the picture in 4:3 format to 16:9. Wide Fit does not support all external devices (DVD, VCR etc.).
- Some cable boxes and satellite receivers have their own set of screen sizes, which may differ from the ones above.

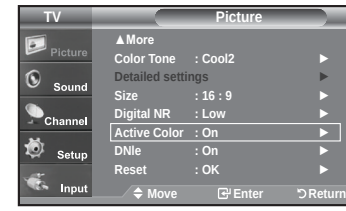
Setting the Active Color

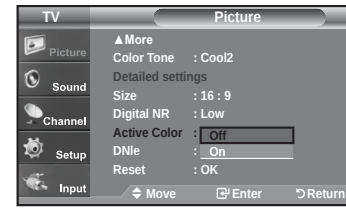
If you turn on this option, the colors of the sky and grass will be stronger and clearer for a more vivid on-screen picture.

1. Press the **MENU** button to display the menu.
   Press the **ENTER** button, to select “Picture”.
2. Press the ▲ or ▼ button to select "Active Color", then press the **ENTER** button.
3. Press the ▲ or ▼ button to select "Off" or "On"
   Press the **ENTER** button.

   Press the **EXIT** button to exit.

   ➢ Picture Mode is available only in Dynamic mode.





DNIe (Digital Natural Image engine)

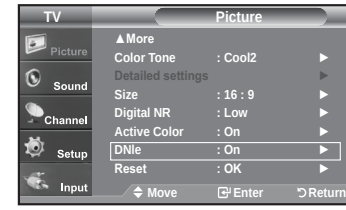
This TV includes the the DNIe function to provide high visual quality. If you set DNIe to on, you can view the screen with the DNIe feature activated. If you set the DNIe to Demo, you can view the applied DNIe and normal pictures on the screen, for demonstration purposes. Using this function, you can view the difference in the visual quality.

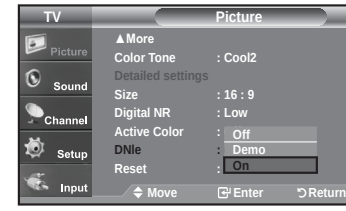
1. Press the **MENU** button to display the menu.
   Press the **ENTER** button, to select “Picture”.
2. Press the ▲ or ▼ buttons to select "DNIe", then press the **ENTER** button.
3. Press the ▲ or ▼ buttons to select "Off", "Demo" or "On", then press the **ENTER** button.

   - **Off**: Switches off the DNIe mode.
   - **Demo**: The screen before applying DNIe appears on the left screen.
     The screen after applying DNIe appears on the right.
   - **On**: Switches on the DNIe mode.

   Press the **EXIT** button to exit.

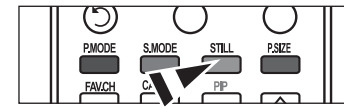
   ➢ DNIe™ (Digital Natural Image engine) DNIe™
   This feature brings you a more detailed image with 3D noise reduction and detailed, contrast and white enhancement.
   ➢ This function doesn’t work when the Input Source is PC.
   ➢ The DNIe function is not supported in the Movie mode.





Freezing the Picture

1. Press the **STILL** button to freeze a moving picture.
   - ➢ Normal sound will still be heard. Press again to cancel.
   - ➢ While V-Chip is in operation, the Still function cannot be used.

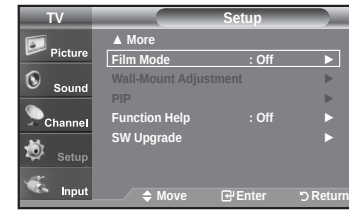


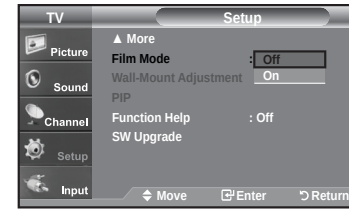
Setting the Film Mode

You can automatically sense and process film signals from all sources and adjust the picture for optimum quality.

1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ buttons to select "Setup", then press the **ENTER** button.
2. Press the ▲ or ▼ buttons to select "Film Mode", then press the **ENTER** button.
3. Press the ▲ or ▼ buttons to select "On" or "Off", then press the **ENTER** button.
   Press the **EXIT** button to exit.

   ➢ Film mode is supported in TV, VIDEO, S-VIDEO, and COMPONENT480i.





HDMI Black Level

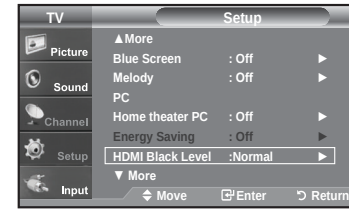
You can select the black level on the screen to adjust the screen depth.

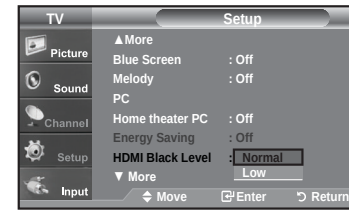
1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ buttons to select "Setup", then press the **ENTER** button.
2. Press the ▲ or ▼ buttons to select “HDMI Black Level”, then press the **ENTER** button.
3. Press the ▲ or ▼ button to select “Normal”, “Low ”, then press the **ENTER** button.

- **Normal:** The screen gets brighter.
- **Low:** The screen gets darker.

➢ This function is active only when an external device (DVD player, STB etc.) is connected to the TV via HDMI(RGB Signal).

Press the **EXIT** button to exit.





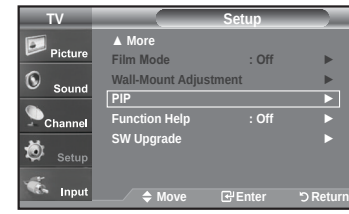
Viewing Picture-in-Picture

This product has one built-in tuner, which does not allow PIP to function in the same mode. For example, you cannot watch one TV channel in the main screen, and a different one in the PIP screen. Please see 'PIP Settings'below for detaileds. You can use the PIP feature to simultaneously watch two video sources. (See page 38 to select the PIP picture sound.)

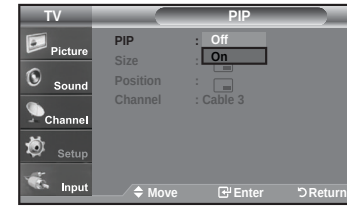
- ➢ While V-Chip (See page 56) is in operation, the PIP function cannot be used.
- ➢ While xvYCC (See page 27) is in operation, the PIP function cannot be used.

Activating Picture-in-Picture

1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ buttons to select "Setup", then press the **ENTER** button.
   Press the ▲ or ▼ buttons to select "PIP", then press the **ENTER** button.

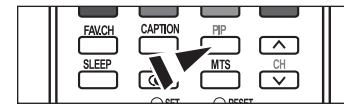


2. Press the **ENTER** button again.
   Press the▲ or ▼ buttons to select "On", then press the **ENTER** button.
   - ➢ If you turn the TV off while watching in PIP mode and turn it on again, the PIP window will disappear.
   - ➢ You can view Analog TV broadcasts on the PIP screen (sub-picture) when the main picture is from an external device connected to HDMI1,2,3, Component1,2, or PC



Main picture	Sub picture
Component 1,2 HDMI 1,2,3 PC	Analog TV broadcasts only

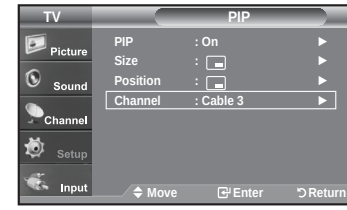
Alternately, you can press the **PIP** button on the remote control repeatedly to activate or deactivate the PIP.

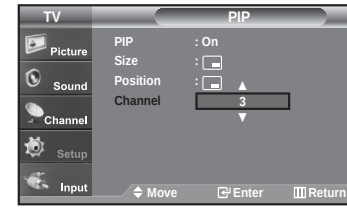


Changing the PIP Channel

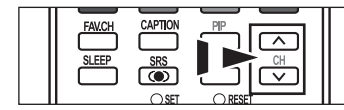
3. Press the ▲ or ▼ buttons to select "Channel", then press the **ENTER** button.
   Press the ▲ or ▼ buttons to select the desired channel in the PIP window.

   Press the **ENTER** buttons.
   - ➢ MAIN: PC / HDMI 1,2,3 / Component 1,2
     PIP: TV(Analog)
   - ➢ The channel can be active when the sub picture is set to TV.





Press the PIP Channel buttons on the remote control.

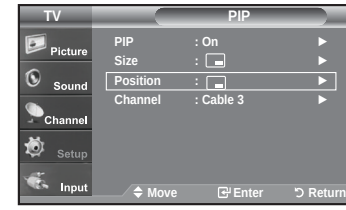


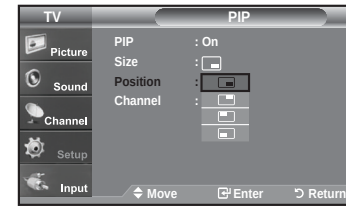
Changing the Position of the PIP Window

4. Press the ▲ or ▼ buttons to select “Position”, then press the **ENTER** button.
   Press the ▲ or ▼ buttons to select the desired channel in the PIP window.

   Press the **ENTER** buttons.

   ➢ The Double ( ), Double Wide ( ) mode cannot be selected in Position mode.



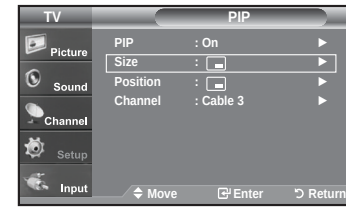


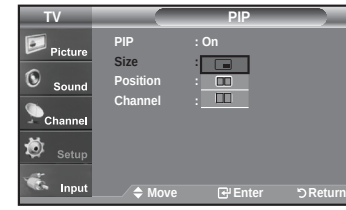
Changing the Size of the PIP Window

5. Press the ▲ or ▼ buttons to select “Size”, then press the **ENTER** button.
   Press the ▲ or ▼ buttons to select the desired channel in the PIP window.
   Press the **ENTER** buttons.

   Press the **EXIT** button to exit.

   ➢ If the main picture is in PC and HDMI 1 mode, Size is not available.
   ➢ You may notice that the picture in the PIP window becomes slightly unnatural when you use the main screen to view a game or karaoke.
   ➢ You can adjust picture position only by using the size menu.



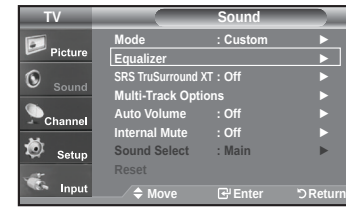


Sound Control

Customizing the Sound

The sound settings can be adjusted to suit your personal preference.
(Alternatively, you can use one of the "automatic" settings.)

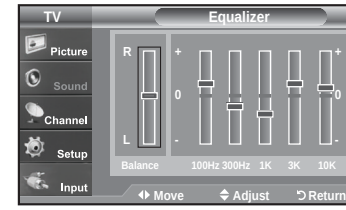
1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ buttons to select "Sound", then press the **ENTER** button.
2. Press the ▲ or ▼ buttons to select "Equalizer", then press the **ENTER** button.



3. Press the ◄ or ► buttons to select a particular frequency to adjust.
   Press the ▲ or ▼ buttons to increase or decrease the level of the particular frequency.

   Press the **ENTER** button.

   Press the **EXIT** button to exit.

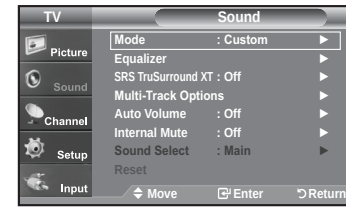


➢ • **L/R Sound Balance Adjustment :**
To adjust the sound balance of the L/R speakers.
• **Bandwidth Adjustment (100Hz, 300Hz, 1K, 3K, 10K) :**
: To adjust the level of different bandwidth frequencies.

Using Automatic Sound Settings

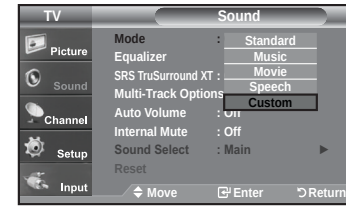
Your TV has automatic sound settings ("Standard", "Music", "Movie", "Speech", and "Custom") that are preset at the factory.
Or, you can select "Custom", which automatically recalls your personalized sound settings.

1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ buttons to select "Sound", then press the **ENTER** button.



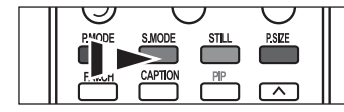
2. Press the **ENTER** button to select "Mode".
   Press the ▲ or ▼ buttons to select "Standard", "Music", "Movie", "Speech", or "Custom" sound setting, then press the **ENTER** button.

   Press the **EXIT** button to exit.



- Choose **Standard** for the standard factory settings.
- Choose **Music** when watching music videos or concerts.
- Choose **Movie** when watching movies.
- Choose **Speech** when watching a show that is mostly dialog (i.e., news).
- Choose **Custom** to recall your personalized settings (see “Customizing the Sound”).

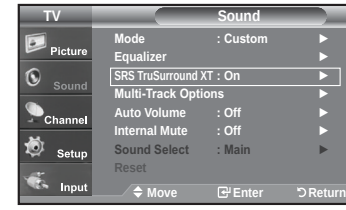
Press the **S.MODE** button on the remote control repeatedly to select one of the sound settings.



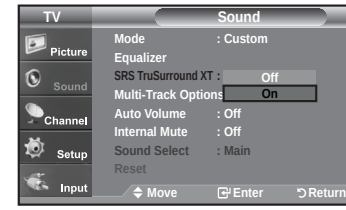
Setting the TruSurround XT

TruSurround XT is a patented SRS technology that solves the problem of playing 5.1 multichannel content over two speakers. TruSurround delivers a compelling, virtual surround sound experience through any two-speaker playback system, including internal television speakers. It is fully compatible with all multichannel formats.

1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ buttons to select "Sound", then press the **ENTER** button.
2. Press the ▲ or ▼ buttons to select "SRS TruSurround XT", then press the **ENTER** button.



3. Press the ▲ or ▼ buttons to select "On" or "Off", then press the **ENTER** button.
   Press the **EXIT** button to exit.



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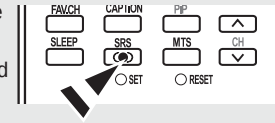
SRS TruSurround XT

TruSurround XT, SRS and ◉ Symbol are trademarks of SRS Labs, Inc.
TruSurround XT technology is incorporated under license from SRS Labs, Inc.

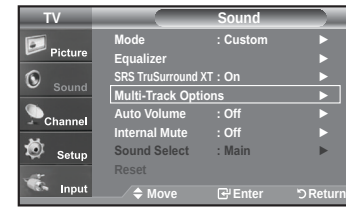


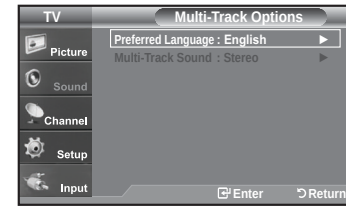
Choosing a Multi-Channel Sound (MTS) track - Digital

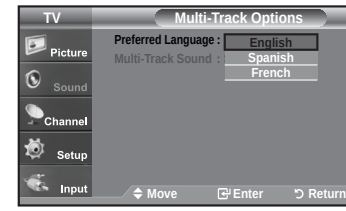
The digital-TV transmission system is capable of simultaneous transmission of many audio tracks (for example, simultaneous translations of the program into foreign languages). The availability of these additional "multitracks" depends upon the program.

Preferred Language

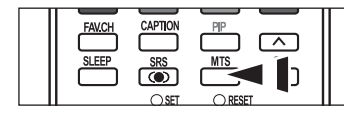
1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ buttons to select "Sound", then press the **ENTER** button.
   ➢ Quick way to access the MTS menu: Just press the "MTS" button on the remote control. You can listen in a language other than your chosen language by pressing the MTS button.
2. Press the ▲ or ▼ buttons to select ""Multi-Track Options", then press the **ENTER** button.
3. Press the **ENTER** button to select "Preferred Language".
   Press the ▲ or ▼ buttons to choose the language (English, Spanish or French) you want, then press the **ENTER** button.
   Press the **EXIT** button to exit.







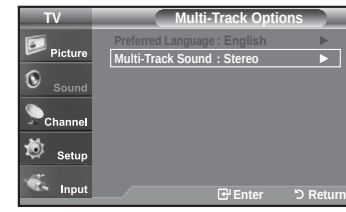
You can listen in a language other than the favorite language by pressing the **MTS** button on the remote control.



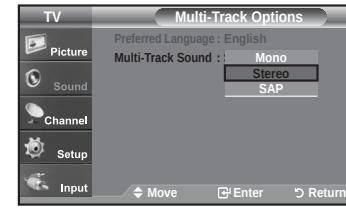
Choosing a Multi-Channel Sound (MTS) track - Analog

Multi-Track Sound

1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ buttons to select "Sound", then press the **ENTER** button.
2. Press the ▲ or ▼ buttons to select ""Multi-Track Options", then press the **ENTER** button.

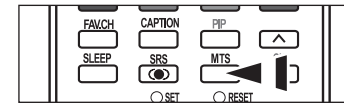


3. Press the ▲ or ▼ buttons to select “Multi-Track Sound”, then press the **ENTER** button.
   Press the ▲ or ▼ buttons to select a setting you want, then press the **ENTER** button.
   Press the **EXIT** button to exit.



- Choose **Mono** for channels that are broadcasting in mono, or if you are having difficulty receiving a stereo signal.
- Choose **Stereo** for channels that are broadcasting in stereo.
- Choose **SAP** to listen to the Separate Audio Program, which is usually a foreign-language translation.

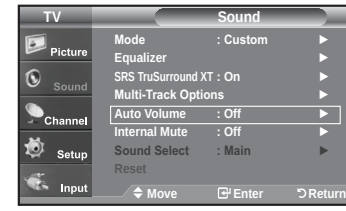
Press the **MTS** buttons on the remote control repeatedly to select “Mono”, “Stereo”, or “SAP”.



Automatic Volume Control

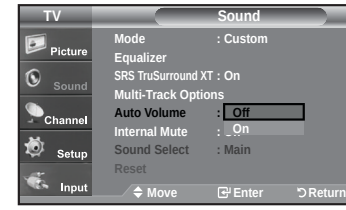
Reduces the differences in volume level among broadcasters.

1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ buttons to select "Sound", then press the **ENTER** button.
2. Press the ▲ or ▼ buttons to select "Auto Volume", then press the **ENTER** button.



3. Press the ▲ or ▼ buttons to set Auto Volume "On" or "Off" then press the **ENTER** button.

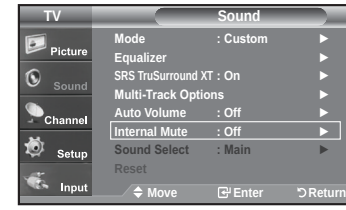
   Press the **EXIT** button to exit.



Selecting the Internal Mute

Sound output from the TV speakers is muted.

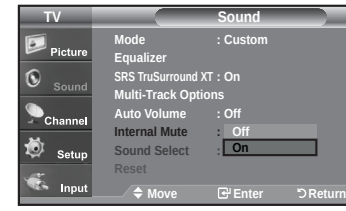
1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ buttons to select "Sound", then press the **ENTER** button.
2. Press the ▲ or ▼ buttons to select "Internal Mute", then press the **ENTER** button.



3. Press the ▲ or ▼ buttons to select “On”, then press the **ENTER** button.

   Press the **EXIT** button to exit.

   ➢ When Internal Mute is set to “On”, Sound menus except Multi-track Options cannot be adjusted.
   ➢ The VOL⊕, VOL⊖ and MUTE buttons do not operate when the Internal Mute is set to On.



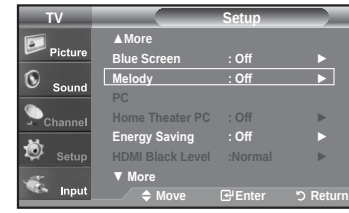
	TV'S Internal Speakers			Audio Out (Optical, L/R Out) to Sound System		
	RF	AV, S-Video	Component, PC, HDMI	RF	AV, S-Video	Component, PC, HDMI
Internal Mute Off	Speaker Output	Speaker Output	Speaker Output	Sound Output	Sound Output	Sound Output
Internal Mute On	Mute	Mute	Mute	Sound Output	Sound Output	Sound Output
Video No Signal	Mute	Mute	Mute	Mute	Mute	Mute

➢ When “Internal mute” is set to “On”, Sound menus except “Multi-Track Options” cannot be adjusted.

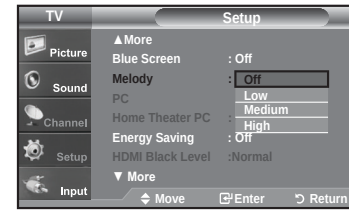
Setting the On/Off melody

A melody sound can be set to come on when the TV is powered On or Off.

1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ buttons to select "Setup", then press the **ENTER** button.
2. Press the ▲ or ▼ buttons to select "Melody", then press the **ENTER** button.



3. Press the ▲ or ▼ buttons to select “Off”, “Low”, “Medium”, “High”, then press the **ENTER** button.



- **Off** : Turns off the melody function.
- **LOW** : Sets the melody volume to low.
- **Medium** : Sets the melody volume to medium.
- **High** : Sets the melody volume to high.

Press the **EXIT** button to exit.

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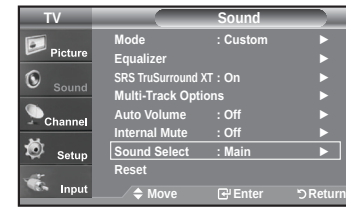
Listening to the Sound of the Sub (PIP) Picture

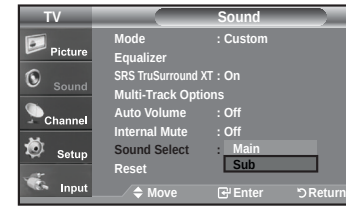
When the PIP feature is activated, you can listen to the sound of the sub (PIP) picture.

1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ buttons to select "Sound", then press the **ENTER** button.
2. Press the ▲ or ▼ buttons to select "Sound Select", then press the **ENTER** button.



3. Press the ▲ or ▼ buttons to select “Main” or “Sub”, then press the **ENTER** button.

   Press the **EXIT** button to exit.



- **Main:** Used to listen to the sound of the main picture..
- **Sub:** Used to listen to the sound of the sub picture.

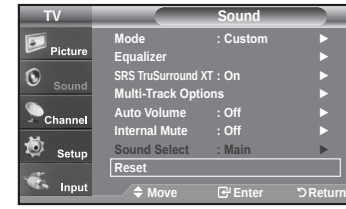
➢ You can select this option when “PIP” is set to “On”.

Resetting the Sound Settings to the Factory Defaults

If Game Mode is On, the Reset Sound function is activated. Selecting the Reset function resets the equalizer setting to the factory defaults.

1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ button to select "Sound", then press the **ENTER** button.
2. Press the ▲ or ▼ button to select "Reset", then press the **ENTER** button.

   Press the **EXIT** button to exit.



Connecting Headphones

You can connect a set of headphones to your set if you wish to watch a TV program without disturbing the other people in the room.

➢ When you insert the head set jack into the corresponding port, you can operate only “Multi track option” in Sound menu.

➢ Prolonged use of headphones at a high volume may damage your hearing.

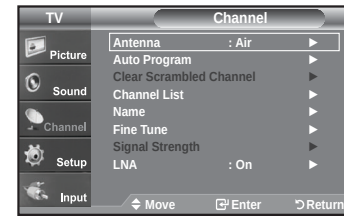
➢ You will not receive sound from the speakers when you connect headphones to the system.

➢ The headphone volume and TV volume are adjusted separately.

Channel Control

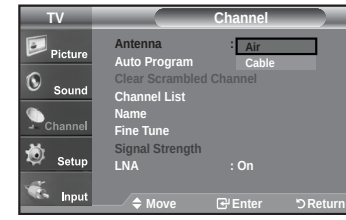
Selecting the Antenna

1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ buttons to select "Channel", then press the **ENTER** button.

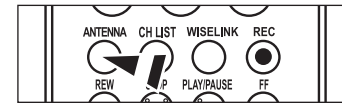


2. Press the **ENTER** button to select “Antenna”.
   Press the ▲ or ▼ buttons to select “Air” or “Cable”,then press the **ENTER** button.

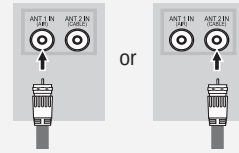
   Press the **EXIT** button to exit.



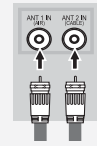
Press the **ANTENNA** button on the remote control.



➢ If the antenna is connected to ANT 1 IN (AIR), select “Air” and if it is connected to ANT 2 IN (CABLE), select “Cable”.



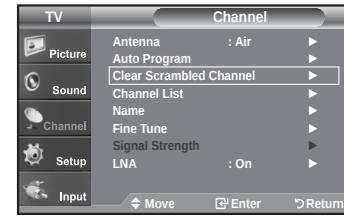
➢ If both ANT 1 IN (AIR) and ANT 2 IN (CABLE) are connected, select the antenna input you want. If the antenna input is not selected properly, noise may appear on the screen.



Clearing Scrambled Channels - Digital

The Clear Scrambled Channel function is used to filter out scrambled channels after Auto Program is completed.
It removes the scrambled channels from the list by tuning the digital cable channels. This process may take up to 20~30 minutes.

1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ buttons to select "Channel", then press the **ENTER** button.

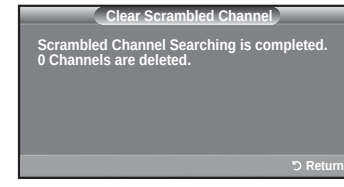


2. Press the ▲ or ▼ button to select "Clear Scrambled Channel", then press the **ENTER** button.
   It searches scrambled channels, which are to be removed from the list.

   ➢ **To stop searching scrambled channels;**
   Press the ▼ button to select **Stop**, then press the **ENTER** button.
   Press the ◄ button to select **Yes**, then press the **ENTER** button.

3. When the scrambled channel searching is completed, press the **ENTER** button.

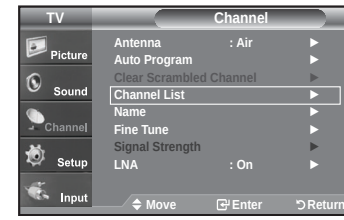
   Press the **EXIT** button to exit.



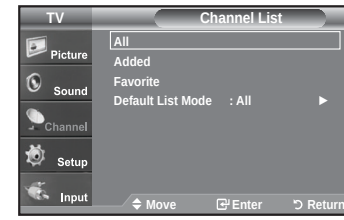
Setting the Channel Lists

You can add or delete a channel so only channels you want are displayed.

1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ buttons to select "Channel", then press the **ENTER** button.
2. Press the ▲ or ▼ buttons to select "Channel List", then press the **ENTER** button.



3. Press the **ENTER** button to select “All”.



4. Press the ▲ or ▼ buttons to select a channel to delete, then press the **ENTER** button.

   Press the ▲ or ▼ buttons to select “Delete”, then press the **ENTER** button to delete the channel.

   The ✓ mark will disappear.

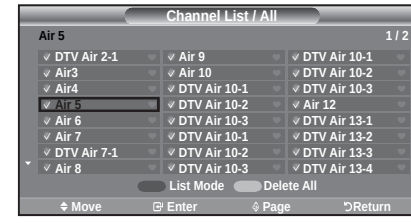
5. Press the ▲ or ▼ buttons to select a channel to add,then press the **ENTER** button.

   Press the ▲ or ▼ buttons to select “Add”, then press the **ENTER** button to add the channel.

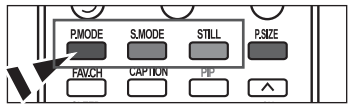
   The ✓ mark will appear and the channel will be added.

   Press the **EXIT** button to exit.

   ➢ All selected channels will be shown on “Added menu”.



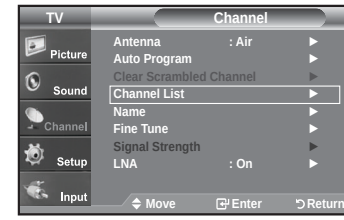
- **P.MODE (Red) button:** Press repeatedly to select “All”, “Added”, or “Favorite”.
- **S.MODE (Green) button:** Press to add all channels deleted.
- **STILL (Yellow) button:** Press to delete all channels memorized.



To Set-Up Your Favorite Channels

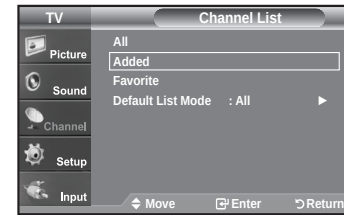
You can set channels you watch frequently as favorites.

1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ buttons to select "Channel", then press the **ENTER** button.
2. Press the ▲ or ▼ buttons to select "Channel List", then press the **ENTER** button



.

3. Press the ▲ or ▼ buttons to select “Added”, then press the **ENTER** button.



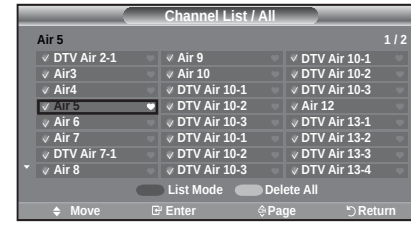
4. Press the ▲ or ▼ buttons to select your favorite channels to watch among the labeled channels. Then press the **ENTER** button.

   Press the ▲ or ▼ buttons to select “Favorite”, then press the **ENTER** button.

   The "♥" symbol will be highlighted and the channel will be set as a Favorite. To cancel your Favorite channel selection, press the **ENTER** button until the "♥" symbol is no longer highlighted.

   Press the **EXIT** button to exit.

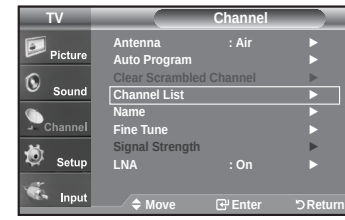
   ➢ Only memorized channels can be set as favorite channels.
   ➢ All favorite channels will be shown in the “Favorite” menu.



Using the Channel Lists

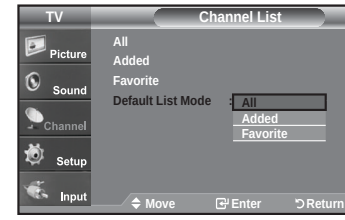
Displays the channel list automatically when you press **CH LIST** button on the remote. (Choose All, Added, or Favorite)

1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ buttons to select "Channel", then press the **ENTER** button.
2. Press the ▲ or ▼ buttons to select "Channel List", then press the **ENTER** button.



3. Press the ▲ or ▼ buttons to select “Default List Mode” (the CH.List you want to appear when you press CH.LIST) then press the **ENTER** button.
   Press the ▲ or ▼ buttons to select “All”, “Added”, or “Favorite” then press the **ENTER** button.
   ➢ The CH.List you have chosen will now be set.

   Press the **EXIT** button to exit.

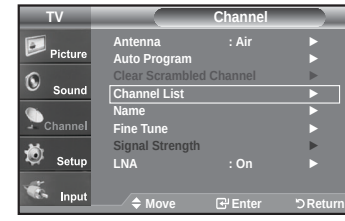


Alternately, press the **CH LIST** button on the remote control to bring up the Channel Lists.

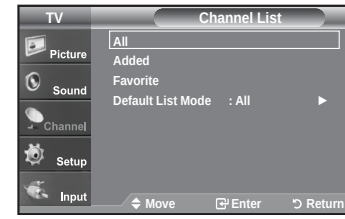
Viewing the Channel Lists

You can display a list of all channels, added channels or your favorite channels.

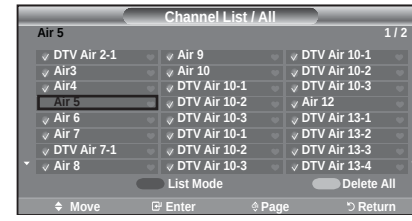
1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ buttons to select "Channel", then press the **ENTER** button.
2. Press the ▲ or ▼ buttons to select "Channel List", then press the **ENTER** button.



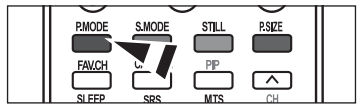
3. Press the ▲ or ▼ buttons to select “All”, “Added” or “Favorite”, then press the **ENTER** button.



4. Press the ▲ or ▼ buttons to select “Channel”, then press the **ENTER** button.
   To toggle between your all channels, add channels, or favorite channels, use the red (P.Mode) button on the remote control.



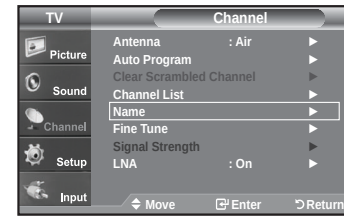
- **P.MODE (Red) button:** Press repeatedly to select “All”, “Added”, or “Favorite”



Labeling Channels

Channels can be labeled so that their call letters appear whenever the channel is selected.

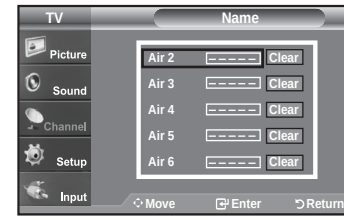
1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ buttons to select “Channel”, then press the **ENTER** button.
   Press the ▲ or ▼ buttons to select “Name”, then press the **ENTER** button.

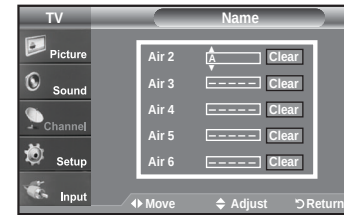


2. Press the ▲ or ▼ buttons to select the channel to be assigned a new name, then press the **ENTER** button.
   Press the ▲ or ▼ buttons to select a letter, a number or a blank (Results in this sequence: A...Z, 0...9, +, -, *, /, blank).
   Press the ► button to switch to the next field, which will be selected.
   Select a second letter or digit by pressing the ▲ or ▼ buttons, as above.
   Repeat the process to select the last three digits. When you have finished, press the **ENTER** button to assign the new name.
   To erase the assigned new name, select "Clear" by pressing the ◄ or ► button, then press the **ENTER** button.

   Press the **EXIT** button to exit.

   ➢ The names of digital broadcasting channels are automatically assigned and thus cannot be assigned by users.





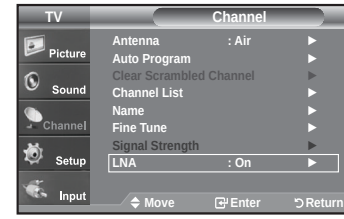
LNA (Low Noise Amplifier)

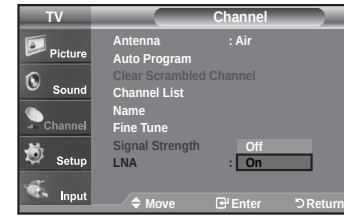
If the TV is operating in a weak-signal area, sometimes the LNA function can improve the reception (a low-noise preamplifier boosts the incoming signal).

1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ buttons to select “Channel”, then press the **ENTER** button.
2. Press the ▲ or ▼ buttons to select “LNA”, then press the **ENTER** button.
3. Press the▲ or ▼ buttons to select “On”, then press the **ENTER** button.

   Press the **EXIT** button to exit.

   ➢ LNA functions when the antenna is set to Air or Cable. Settings will be stored separately in each channel. (See “Selecting the antenna.” on page 38)

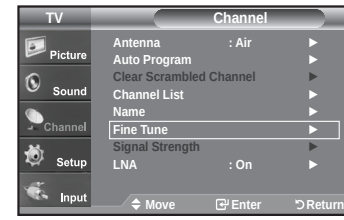




Fine Tuning Analog Channels

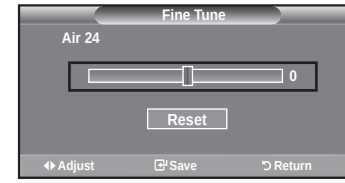
Use fine tuning to manually adjust a particular channel for optimal reception.

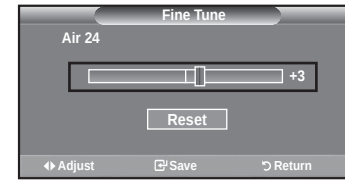
1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ buttons to select "Channel", then press the **ENTER** button.
2. Press the ▲ or ▼ buttons to select "Fine Tune", then press the **ENTER** button.

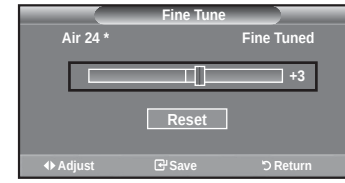


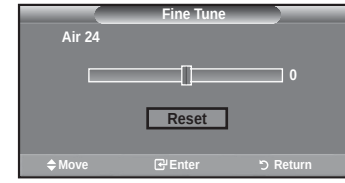
3. Press the ◄ or ► buttons to adjust the fine tuning.
   To store the fine tuning setting in the TV's memory, press the **ENTER** button.
   ➢ If you do not store the fine-tuned channel in memory, adjustments are not saved.
4. To reset the fine tuning setting, press the ▼ button to select "Reset", then press the **ENTER** button.

   Press the **EXIT** button to exit.
   ➢ "*" will appear next to the name of fine-tuned channels.







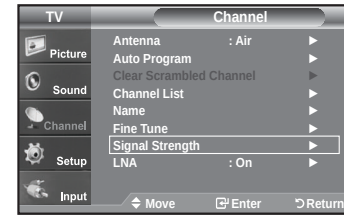


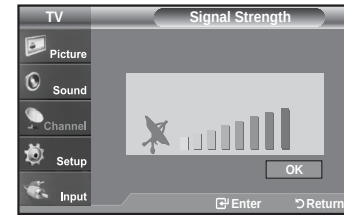
Checking the Digital-Signal Strength

Unlike analog channels, which can vary in reception quality from "snowy" to clear, digital (HDTV) channels have either perfect reception quality or you will not receive them at all. So, unlike analog channels, you cannot fine tune a digital channel. You can, however, adjust your antenna to improve the reception of available digital channels.

1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ buttons to select "Channel", then press the **ENTER** button.
2. Press the ▲ or ▼ buttons to select "Signal Strength", then press the **ENTER** button.
   If the signal strength meter indicates that the signal is weak, physically adjust your antenna to increase the signal strength.
   Continue to adjust the antenna until you find the best position with the strongest signal.

   Press the **EXIT** button to exit





PC Display

Using Your TV as a Computer (PC) Display

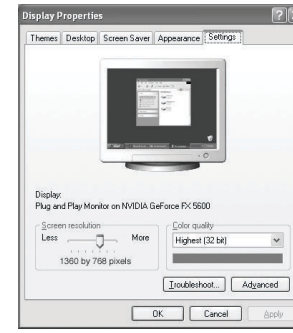
Setting Up Your PC Software (Based on Windows XP)

The Windows display-settings for a typical computer are shown below. The actual screens on your PC will probably be different, depending upon your particular version of Windows and your particular video card. However, even if your actual screens look different, the same basic set-up information will apply in almost all cases. (If not, contact your computer manufacturer or Samsung Dealer.)

1. First, click on "**Control Panel**" on the Windows start menu.
2. When the control panel window appears, click on "**Appearance and Themes**" and a display dialog-box will appear.
3. When the control panel window appears, click on "**Display**" and a display dialog-box will appear.
4. Navigate to the "**Settings**" tab on the display dialog-box.
   The correct size setting (resolution)

   Optimum: 1920 X 1080 pixels

   If a vertical-frequency option exists on your display settings dialog box,
   the correct value is "60" or "60 Hz". Otherwise, just click "OK" and exit the dialog box.



Display Modes

If the signal from the system equals the standard signal mode, the screen is adjusted automatically. If the signal from the system doesn't equal the standard signal mode, adjust the mode by referring to your videocard user guide; otherwise there may be no video. For the display modes listed below, the screen image has been optimized during manufacturing.

D-Sub Input

Mode	Resolution	Horizontal Frequency (kHz)	Vertical Frequency (Hz)	Pixel Clock Frequency (MHz)	Sync Polarity (H/V)
IBM	720 X 400	31.469	70.087	28.322	- / +
	640 X 480	31.469	59.940	25.175	- / -
VESA	640 x 480	37.861	72.809	31.500	- / -
	640 x 480	37.500	75.000	31.500	- / -
	800 x 600	35.156	56.250	36.000	+ /+
	800 x 600	37.879	60.317	40.000	+ /+
	800 x 600	48.077	72.188	50.000	+ /+
	800 x 600	46.875	75.000	49.500	+ /+
	1024 x 768	48.363	60.004	65.000	- / -
	1024 x 768	56.476	70.069	75.000	- / -
	1024 x 768	60.023	75.029	78.750	+ /+
	1280 x 1024	79.976	75.025	123.000	+ /+
	1920 x 1080	66.500	60.000	138.500	- / +

HDMI/DVI Input

Mode	Resolution	Horizontal Frequency (kHz)	Vertical Frequency (Hz)	Pixel Clock Frequency (MHz)	Sync Polarity (H/V)
IBM	640 X 350	31.469	70.086	25.175	+ /-
	720 X 400	31.469	70.087	28.322	- / +
	640 X 480	31.469	59.940	25.175	- / -
VESA	800 x 600	37.879	60.317	40.000	+ /+
	1024 x 768	48.364	60.000	65.000	- / -
	1280 x 1024	63.981	60.020	108.000	+ /+
	1920 x 1080	66.587	59.934	138.500	+ /-

Setting up the TV with your PC

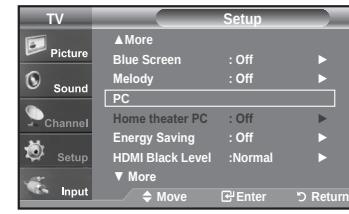
How to Auto Adjust

Use the Auto Adjust function to have the TV set automatically adjust the video signals the monitor receives. The function also automatically fine-tunes the settings and adjusts the frequency values and positions.

➢ This function does not work in DVI-Digital mode.

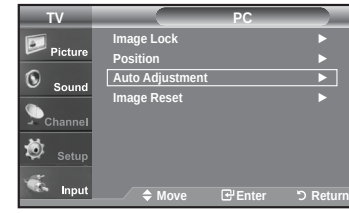
1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ buttons to select "Setup", then press the **ENTER** button.
   Press the ▲ or ▼ buttons to select "PC", then press the **ENTER** button.

   ➢ Change to the PC mode first.



2. Press the ▲ or ▼ buttons to select "Auto Adjustment", then press the **ENTER** button.

   Press the **EXIT** button to exit.



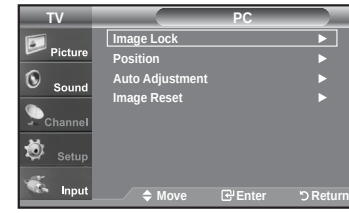
Adjusting the Screen Quality

The purpose of the picture quality adjustment is to remove or reduce picture noise. If the noise is not removed by fine tuning alone, then do the frequency adjustments to the utmost and fine tune again(See page 44). After the noise has been reduced, re-adjust the picture so that it is aligned on the center of the screen.

1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ buttons to select "Setup", then press the **ENTER** button.
   Press the ▲ or ▼ buttons to select "PC", then press the **ENTER** button.

   ➢ Change to the PC mode first.

2. Press the **ENTER** button to select "Image Lock".

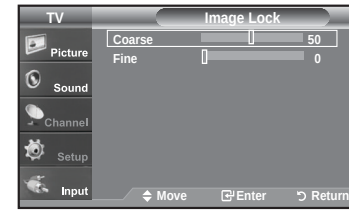


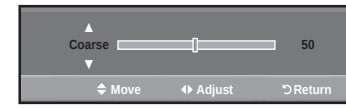
3. Press the ▲ or ▼ buttons to select "Coarse" or "Fine", then press the **ENTER** button.
   Press the ◄ or ► buttons to adjust the screen quality.

   ➢ Vertical stripes may appear or the picture may be blurry.

   Press the **ENTER** button.

   Press the **EXIT** button to exit.

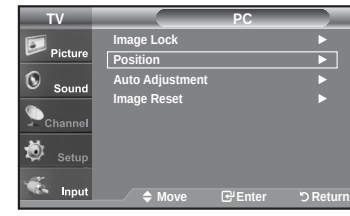


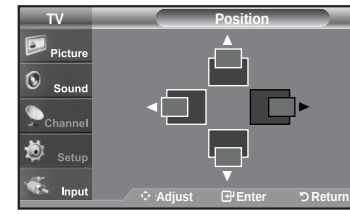


Changing the Screen Position

1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ button to select "Setup", then press the **ENTER** button.
   Press the ▲ or ▼ button to select "PC", then press the **ENTER** button.
   ➢ Change to the PC mode first.
2. Press the ▲ or ▼ button to select "Position", then press the **ENTER** button.
3. Press the ▲ or ▼ button to adjust the V-Position.
   Press the ◄ or ► button to adjust the H-Position.
   Press the **ENTER** button.

   Press the **EXIT** button to exit.

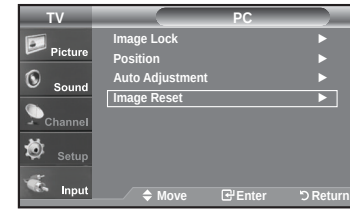


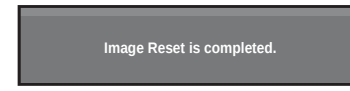


Initializing the Screen Position or Color Settings
You can replace all image settings with the factory default values.

1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ button to select "Setup", then press the **ENTER** button.
   Press the ▲ or ▼ button to select "PC", then press the **ENTER** button.
   ➢ Change to the PC mode first.
2. Press the ▲ or ▼ button to select "Image Reset", then press the **ENTER** button.

   Press the **EXIT** button to exit.





Setting the Home Theater PC

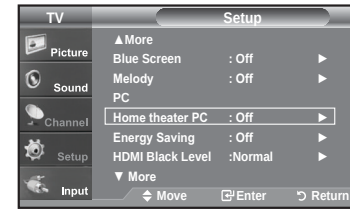
This function enables you to view higher quality pictures while in PC Mode.
After setting the Home Theater PC function to On, you can go into the Detailed Settings menu and make adjustments without affecting settings in the regular TV mode.

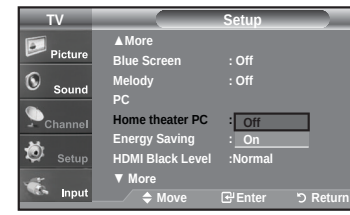
1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ button to select "Setup", then press the **ENTER** button.
2. Press the ▲ or ▼ button to select “Home Theater PC”, then press the **ENTER** button.
3. Press the ▲ or ▼ button to select “On” or "Off", then press the **ENTER** button.

   - **Off:** Turns off the settings for screen-related functions in PC input mode.
   - **On:** Turns on the settings for screen-related functions in PC input mode to provide more dynamic scenes.

   Press the **EXIT** button to exit.

   ➢ This function is available only in PC mode.





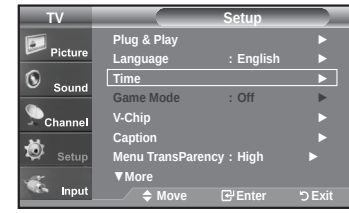
Time Setting

Setting the Clock

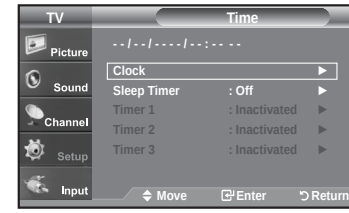
Setting the clock is necessary in order to use the various timer features of the TV.
Also, you can check the time while watching the TV. (Just press the INFO button.)

Option 1: Setting the Clock Manually

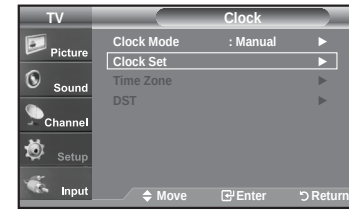
1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ buttons to select "Setup", then press the **ENTER** button.
   Press the ▲ or ▼ buttons to select "Time", then press the **ENTER** button.



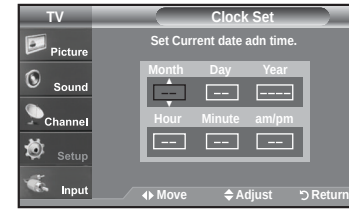
2. Press the **ENTER** button to select "Clock".



3. Press the **ENTER** button to select “Clock Mode”.
   Press the ▲ or ▼ buttons to select “Manual”, then press the **ENTER** button.



4. Press the ▲ or ▼ buttons to select “Clock Set”, then press the **ENTER** button.

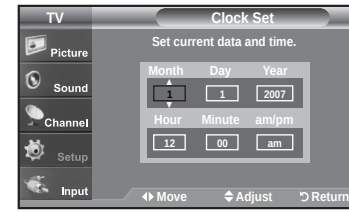


5. Press the ◄ or ► buttons to move to “Month”, “Day”, “Year”, “Hour”, “Minute”, or “am/pm”. Set the date and time you want by pressing the ▲ or ▼ buttons, then press the **ENTER** button.

   Press the **EXIT** button to exit.

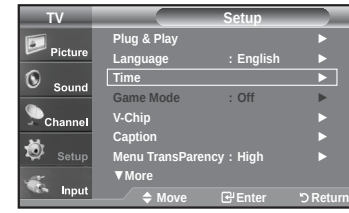
   ➢ The current time will appear every time you press the **INFO** button.

   ➢ You can set the month, day, year, hour, and minute directly by pressing the number buttons on the remote control.

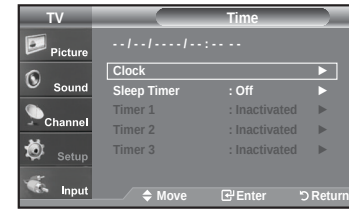


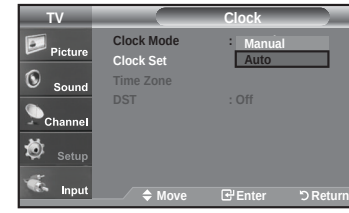
Option 2: Setting the Clock Automatically

1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ buttons to select "Setup", then press the **ENTER** button.
   Press the ▲ or ▼ buttons to select "Time", then press the **ENTER** button.
2. Press the **ENTER** button to select "Clock".

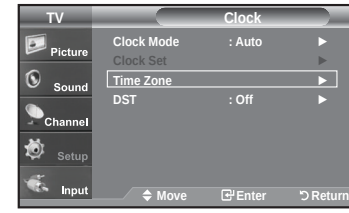


3. Press the **ENTER** button to select “Clock Mode”.
   Press the ▲ or ▼ buttons to select “Auto”, then press the **ENTER** button.

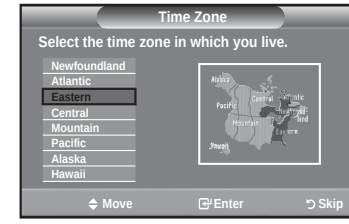




4. Press the ▲ or ▼ buttons to select “Time Zone”, then press the **ENTER** button.



5. Press the ▲ or ▼ buttons to highlight the time zone for your local area, then press the **ENTER** button.



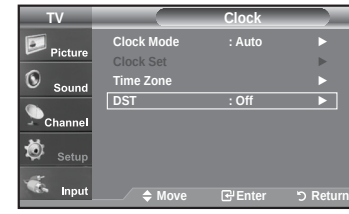
6. Press the ▲ or ▼ buttons to select “DST” (Daylight Saving Time), then press the **ENTER** button.

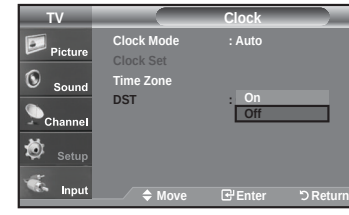
   Press the ▲ or ▼ buttons to select “On” or “Off”, then press the **ENTER** button.

   Press the **EXIT** button to exit.

   ➢ Depending on the broadcast station and signal, the auto time may not be set correctly. If this occurs, set the time manually.

   ➢ **The** Antenna or cable must be connected in order to set the time automatically.

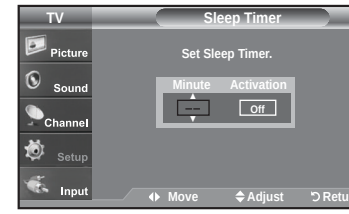


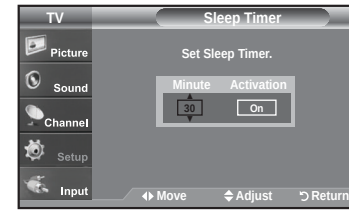


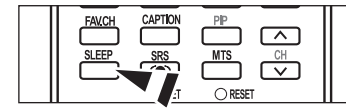
Setting the Sleep Timer

The sleep timer automatically shuts off the TV after a preset time (from 30 to 180 minutes).

1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ buttons to select "Setup", then press the **ENTER** button.
   Press the ▲ or ▼ buttons to select "Time", then press the **ENTER** button.
   - ➢ Quick way to access the sleep timer setting: Simply press the “SLEEP” button on the remote control.
2. Press the ▲ or ▼ buttons to select "Sleep Timer", then press the **ENTER** button.
3. Press the ▲ or ▼ buttons to adjust “Minute”.
4. Press the ► button to select “Activation”.
   Press the ▲ or ▼ buttons to select “On”, then press the **ENTER** button.
   Press the **EXIT** button to exit.







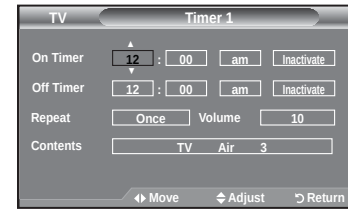
Simply press the **SLEEP** button on the remote control for a Quick way to access the sleep timer setting.

Setting the On/Off Timer

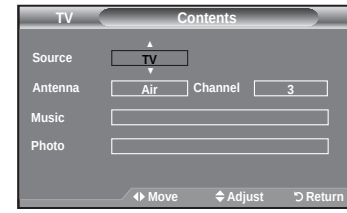
1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ buttons to select "Setup", then press the **ENTER** button.
   Press the ▲ or ▼ buttons to select "Time", then press the **ENTER** button.
2. Press the ▲ or ▼ buttons to select "Timer 1,Timer 2,Timer 3 ", then press the **ENTER-**button.

3. Press the ▲ or ▼ buttons to adjust “Hour”, then press the ► button to move to the next step.

   Set other items using the same method as above.



	Activate or Inactivate	Press the ▲or▼ button
Repeat	Select Once, Everyday, Mon-Fri, Mon-Sat, Sat-Sun	Press the ▲or▼ button
Volume	Select the required volume level.	Press the ▲or▼ button
Contents	When the On Timer is active, you can turn on a specific channel or play back contents such as photo or audio files. (Make sure that an USB device is connected to your TV.)	Press the ▲or▼ button



➢ When finished, press the **RETURN** button to return.

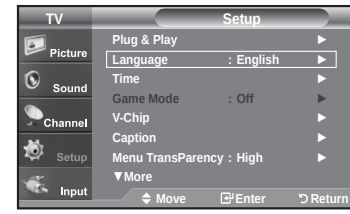
- The current time will appear every time you press the **INFO** button.
- You can set the hour, minute, and channel by pressing the number buttons on the remote control.

Press the **EXIT** button to exit.

Function Description

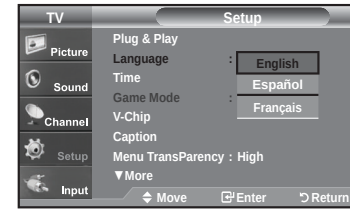
Selecting a Menu Language

1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ buttons to select "Setup", then press the **ENTER** button.
   Press the ▲ or ▼ buttons to select "Language", then press the **ENTER** button.



2. Press the ▲ or ▼ buttons to select “English”, “Español”, or “Français”.
   Press the **ENTER** button.

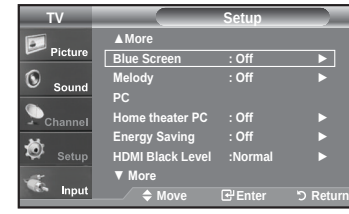
   Press the **EXIT** button to exit.



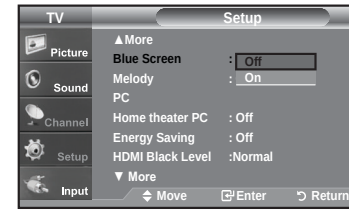
Setting the Blue Screen Mode

If no signal is being received or the signal is very weak, a blue screen automatically replaces the noisy picture background. If you wish to continue viewing the poor picture, you must set the "Blue Screen" mode to "Off"

1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ buttons to select "Setup", then press the **ENTER** button.
2. Press the ▲ or ▼ buttons to select "Blue Screen", then press the **ENTER** button.



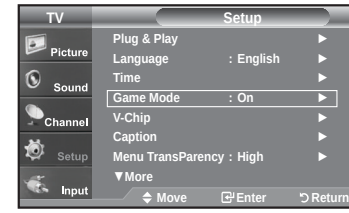
3. Press the ▲ or ▼ buttons to select "On" or "Off" then press the **ENTER** button.
   Press the **EXIT** button to exit.
   ➢ Pressing the ▲ or ▼ buttons will alternate between “On” or “Off”



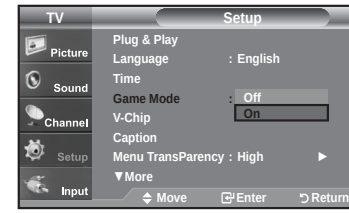
Using the Game Mode

When connecting to a game console such as PlayStation™ or Xbox™, you can enjoy a more realistic gaming experience by selecting Game mode.

1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ buttons to select "Setup", then press the **ENTER** button.
2. Press the ▲ or ▼ buttons to select "Game Mode", then press the **ENTER** button.



3. Select "On" or "Off" by pressing the ▲ or ▼ buttons, then press the **ENTER** button.
4. Press the **EXIT** button to exit.
   - ➢ To disconnect the game console and connect another external device, cancel game mode in the Setup menu.
   - ➢ If you display the TV menu in Game mode, the screen shakes slightly.
   - ➢ Game Mode is not available in TV mode.

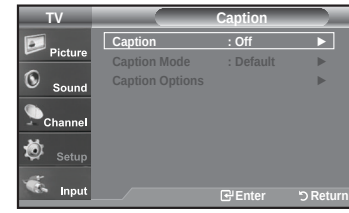


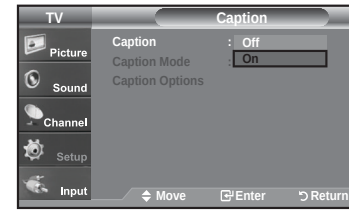
Viewing Closed Captions (On-Screen Text Messages) - Analog

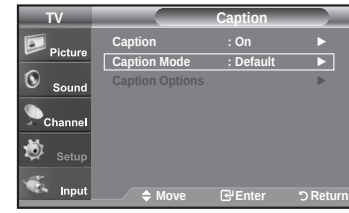
The Analog Caption function operates when watching regular analog channels or when you have an analog external component (such as a VCR) connected.

1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ buttons to select “Setup”, then press the **ENTER** button.
2. Press the ▲ or ▼ buttons to select “Caption”, then press the **ENTER** button.

3. Press the **ENTER** button to select “Caption”.
   Press the ▲ or ▼ buttons to select “On”, then press the **ENTER** button.

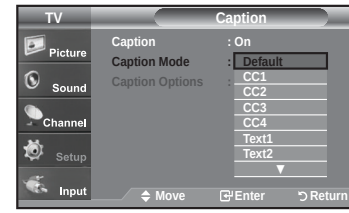






4. Press the ▲ or ▼ buttons to select “Caption Mode”, then press the **ENTER** button.
   Press the ▲ or ▼ buttons to select submenu (Default, CC1~CC4 or Text1~Text4) you want, the press the **ENTER** button.

   Press the **EXIT** button to exit.

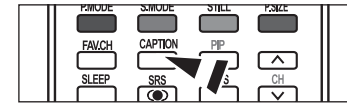


- **The default is “CC1”.**
- **CC1:** The Primary Synchronous Caption Service. These are captions in the primary language that must be in sync with the sound, preferably matched to a specific frame.
- **CC2:** The Special Non-Synchronous Use Captions.
  This channel carries data that is intended to augment information carried in the program**.**
- **CC3:** Secondary Synchronous Caption Service.
  Alternate program-related caption data, typically second language captions.
- **CC4:** Special Non-Synchronous Use Captions. Similar to CC2.
- **Text1:** First Text Service. This may be various non-program related data.
- **Text2:** Second Text Service. Additional data, usually not program related.
- **Text3/Text4:** Third and Fourth Text Services.
  These data channels should be used only if Text1 and Text2 are not sufficient.

➢ The Caption feature doesn’t work in COMPONENT, HDMI or PC modes.

➢ The availability of captions depends on the program being broadcast.

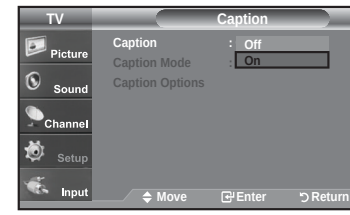
Press the **CAPTION** button on the remote control to select "On" or " Off".



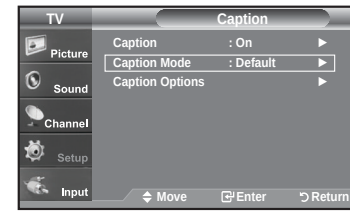
Viewing Closed Captions (On-Screen Text Messages) - Digital

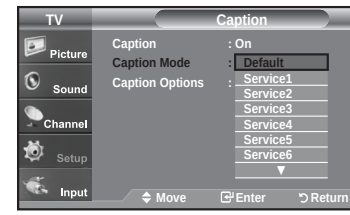
The Digital Captions function operates on digital channels.

1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ buttons to select “Setup”, then press the **ENTER** button.
2. Press the ▲ or ▼ buttons to select “Caption”, then press the **ENTER** button.
3. Press the **ENTER** button to select “Caption”.
   Press the ▲ or ▼ buttons to select “On”, then press the **ENTER** button.



4. Press the ▲ or ▼ buttons to select “Caption Mode”, then press the **ENTER** button.
   Press the ▲ or ▼ buttons to select submenu (Default, Service1~Service6, CC1~CC4, or Text1~Text4) you want, then press the **ENTER** button.





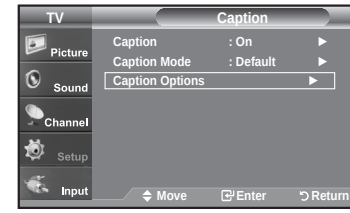
5. Press the ▲ or ▼ buttons to select “Caption Options”, then press the **ENTER** button.

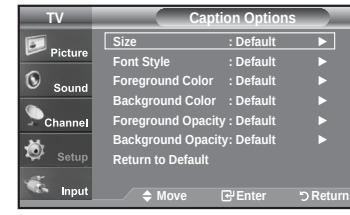
   ➢ “Caption Options” are available only when “Service1~Service6” can be selected in “Caption Mode”.
   ➢ Service1~6 in digital caption mode may not be available depending on the broadcast.

6. Press the ▲ or ▼ buttons to select “Size”, then press the **ENTER** button.
   Press the ▲ or ▼ buttons to select the desired Caption option, then press the **ENTER** button.
   Press the ▲ or ▼ button to select the desired sub-menu options (see options below), then press **ENTER** .

   Press the **EXIT** button to exit.

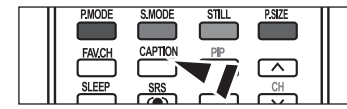
   ➢ The availability of captions depends on the program being broadcast.
   ➢ “Default” means to follow the standard set by the broadcaster.





- **Size:** This option consists of “Default”, “Small”, “Standard”, and “Large”. The default is “Standard”.
- **Font Style:** This option consists of “Default”, “Style0 ~ Style 7”. You can change the font you want. The default is “Style 0”.
- **Foreground Color:** This option consists of “Default”, “White”, “Black”, “Red”, “Green”, “Blue”, “Yellow”, “Magenta”, and “Cyan”. You can change the color of the letter. The default is “White”**.**
- **Background Color:** This option consists of “Default”, “White”, “Black”, “Red”, “Green”, “Blue”, “Yellow”, “Magenta”, and “Cyan”. You can change the background color of the caption. The default is “Black”.
- **Foreground Opacity:** This option consists of “Default”, “Transparent”, “Translucent”, “Solid”, and “Flashing”. You can change the opacity of the letter**.**
- **Background Opacity:** This option consists of “Default”, “Transparent”, “Translucent”, “Solid”,and “Flashing”. You can change the background opacity of the caption.
- **Return to Default:** This option sets each of “Size”, “Font Style”, “Foreground Color”, “Bakcground color”, “Foreground Opacity”, and “Background Opacity” to its default.

Press the **CAPTION** button on the remote control to select "On" or " Off".

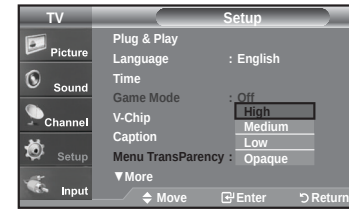


Menu Transparency Level

Adjusts the transparency of the menu screen.

1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ buttons to select "Setup", then press the **ENTER** button.
2. Press the ▲ or ▼ buttons to select “Menu Transparency”, then press the **ENTER** button.

3. Press the ▲ or ▼ buttons to select level, then press the **ENTER** button.
   Press the **EXIT** button to exit.

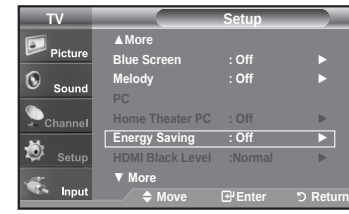


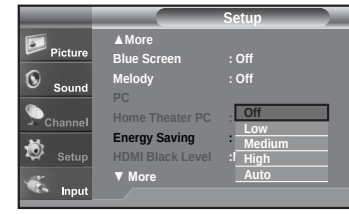
Using the Energy Saving Feature

This feature adjusts the brightness of the TV in order to reduce power consumption. When watching TV at night, set the "Energy Saving " mode option to "High" to reduce eye fatigue as well as power consumption.

1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ buttons to select "Setup", then press the **ENTER** button.
2. Press the ▲ or ▼ buttons to select "Energy Saving", then press the **ENTER** button.

   Select the required option (Off, Low, Medium, High, Auto) by pressing the ▲ or ▼ button.
   Press the **ENTER** button.





- **Off:** Turns off the energy saving function.
- **Low:** Sets the TV to low energy saving mode.
- **Medium:** Sets the TV to medium energy saving mode.
- **High:** Sets the TV to high energy saving mode.
- **Auto:** Automatically adjusts the brightness of the TV screen in accordance with the scenes.

Press the **EXIT** button to exit.

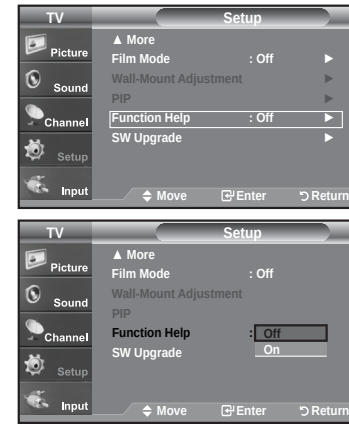
Setting the Function Help

Displays help on the menu functions.

1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ buttons to select "Setup", then press the **ENTER** button.
2. Press the ▲ or ▼ buttons to select “Function Help”, then press the **ENTER** button.
3. Press the ▲ or ▼ buttons to select “On”, then press the **ENTER** button.

   Press the **EXIT** button to exit.

   ➢ The predetermined value of the function help is On.



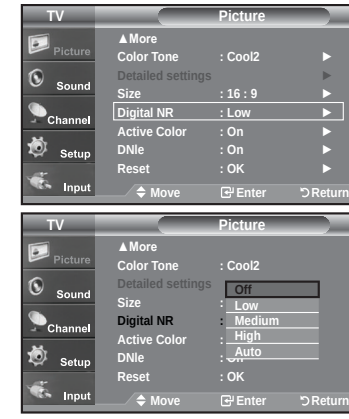
Digital Noise Reduction

If the broadcast signal received by your TV is weak, you can activate the Digital Noise Reduction feature to help reduce any static and ghosting that may appear on the screen.

1. Press the **MENU** button to display the menu.
   Press the **ENTER** button to select “Picture”.
2. Press the ▲ or ▼ button to select "Digital NR", then press the **ENTER** button.
3. Press the ▲ or ▼ button to select "Off", "Low", "Medium", "High", "Auto".
   Press the **ENTER** button.

- **Off:** Turns the screen noise reduction function off.
- **Low:** Reduces screen noise at a low level.
- **Medium:** Reduces screen noise at a medium level.
- **High:** Reduces screen noise at a high level.
- **Auto:** Automatically recognizes and reduces screen noise.

Press the **EXIT** button to exit.



Using the V-Chip

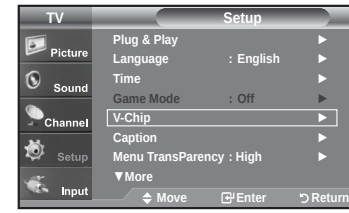
The V-Chip feature automatically locks out programs that are deemed inappropriate for children. The user must enter a PIN (personal ID number) before any of the V-Chip restrictions are set up or changed.

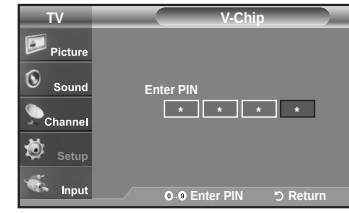
➢ When the V-chip feature is activated, the PIP features do not function.

Setting Up Your Personal ID Number (PIN)

1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ buttons to select "Setup", then press the **ENTER** button.
2. Press the ▲ or ▼ buttons to select “V-Chip”, then press the **ENTER** button.
   The message “Enter PIN” will appear. Enter your 4 digit PIN number.

   ➢ The default PIN number of a new TV set is “0-0-0-0”.

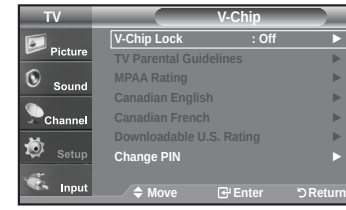


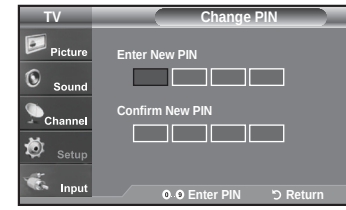


3. The “V-Chip” screen will appear.
   Press the ▲ or ▼ buttons to select “Change PIN”, then press the **ENTER** button. The Change PIN screen will appear. Choose any 4 digits for your PIN and enter them. As soon as the 4 digits are entered, the “Confirm new PIN” screen appears. Re-enter the same 4 digits. When the Confirm screen disappears, your PIN has been memorized.

   Press the **EXIT** button to exit.

   ➢ If you forget the PIN, press the remote-control buttons in the following sequence, which resets the pin to 0-0-0-0 : Power Off. → Mute → 8 → 2 → 4 → Power On.



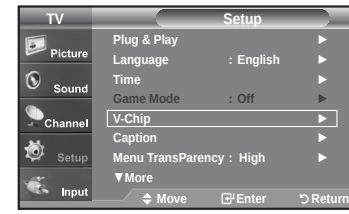


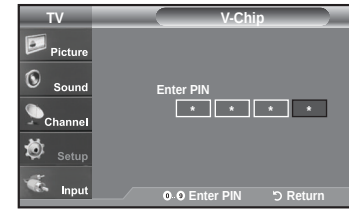
U.S.A Only

This product is covered by the following U.S.patents :US4,930,158,US4,930,160

How to Enable/Disable the V-Chip

1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ buttons to select "Setup", then press the **ENTER** button.
2. Press the ▲ or ▼ buttons to select “V-Chip”, then press the **ENTER** button.
   The message “Enter PIN” will appear. Enter your 4 digit PIN number.

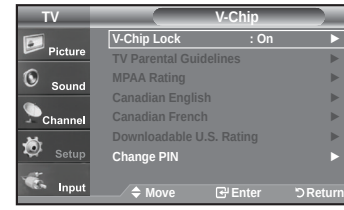


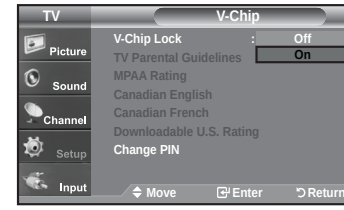


3. The “V-Chip” screen will appear.
   To enable the V-Chip feature, press the **ENTER** button so that the “V-Chip Lock” field is “On”. (Pressing the ▲ or ▼ buttons will alternate between “On” and “Off”.)

   Press the **ENTER** button.

   Press the **EXIT** button to exit.

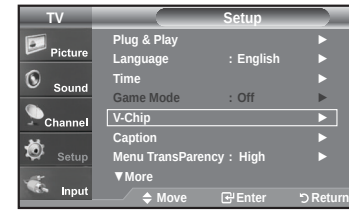


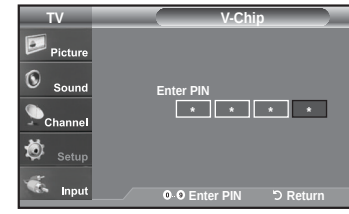


How to Set up Restrictions Using the “TV Parental Guidelines”

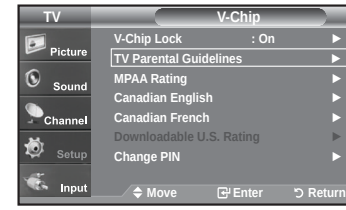
First, set up a personal identification number (PIN), and enable the V-Chip. (See previous section.)
Parental restrictions can be set up using either of two methods: The TV guidelines or the MPAA rating.

1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ buttons to select “Setup”, then press the **ENTER** button.
2. Press the ▲ or ▼ buttons to select “V-Chip”, then press the **ENTER** button.
   The message “Enter PIN” will appear. Enter your 4 digit PIN number.



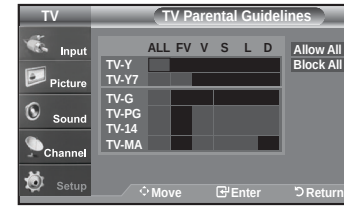


3. The “V-Chip” screen will appear. Press the ▲ or ▼ buttons to select “TV Parental Guidelines”, then press the **ENTER** button.

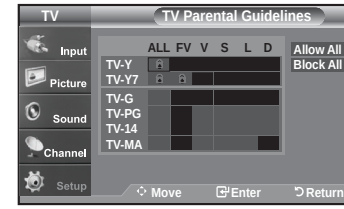


4. The “TV Parental Guidelines” screen will appear.
Press the ▲ or ▼ buttons to select one of the six aged based categories:

- TV-Y: Young children
- TV-Y7: Children 7 and over
- TV-G: General audience
- TV-PG: Parental guidance
- TV-14: Viewers 14 and over
- TV-MA: Mature audience



5. At this point, one of the TV-Ratings is selected.
Press the **ENTER** button. Depending on your existing setup, the “ 🔒 ” symbol will be selected. (Blank = Unblocked, = Blocked)
While “ 🔒 ” is selected, press the **ENTER** button to block or unblock the category.
To select a different TV-Rating, press the ▲ or ▼ buttons and then repeat the process.



➢ Allow all: Press to unlock all TV ratings. / Block all: Press to lock all TV ratings.

➢ The TV-Y, TV-Y7, TV-G, TV-PG, TV-14 and TV-MA have additional options. See the next step to change any of the following sub-ratings:

FV: Fantasy violence / D: Sexually Suggestive Dialog / L: Adult Language / S: Sexual situation / V: Violence

➢ The V-Chip will automatically block certain categories that are “more restrictive”. For example, if you block “TV-Y” category, then TV-Y7 will auto matically be blocked. Similarly, if you block the TV-G category, then all the cat egories in the “young adult” group will be blocked (TV-G, TV-PG, TV-14, and TV-MA). The sub-ratings (D, L, S, V) work together similarly.
(See next section.)

6. How to set the FV, D, L, S and V sub-ratings.
First, select one of these TV-Ratings: TV-Y, TV-Y7, TV-G, TV-PG, TV-14, or TV-MA (See Step 4, on previous page), and press the ► button. The “🔒”symbol will be displayed for each sub-rating.
While “🔒” is selected, press the **ENTER** button to go to a sub rating.
Press **ENTER** to block the sub rating. To select a different TV-Rating, press the ▲ or ▼ buttons and then repeat the process.

➢ The V-chip will automatically block certain categories that are “More restrictive”. For example, if you block “L” sub-rating in TV-PG, then the “L” sub-ratings in TV-14 and TV-MA will automatically be blocked.

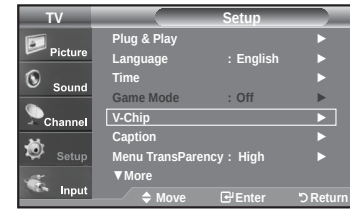
7. Press the **EXIT** button to clear all the screens. (Or proceed to the next section, and set up additional restrictions based on the MPAA codes.)

➢ These categories consist of two separate groups: TV-Y and TV-Y7 (young children through age 7), and TV-G through TV-MA (everybody else).
The restrictions for these two groups work independently: If a household includes very young children as well as young adults, the TV guidelines must be set up separately for each age group. (See next step.)

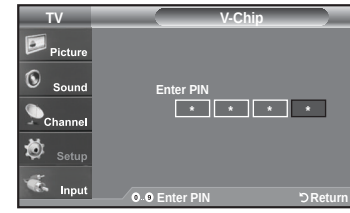
How to Set up Restrictions Using the MPAA Ratings: G, PG, PG-13, R, NC-17, X, NR

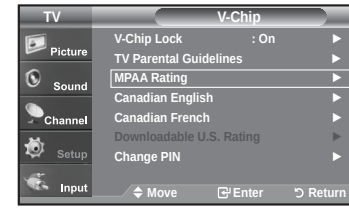
The MPAA rating system uses the Motion Picture Association of America (MPAA) system, and its main application is for movies. When the V-Chip lock is on, the TV will automatically block any programs that are coded with objectionable ratings (either MPAA or TV-Ratings).

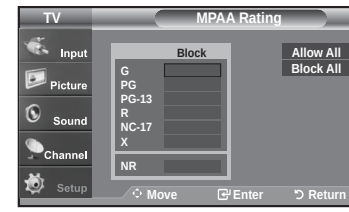
1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ buttons to select “Setup”, then press the **ENTER** button.
2. Press the ▲ or ▼ buttons to select “V-Chip”, then press the **ENTER** button.
   The message “Enter PIN” will appear. Enter your 4 digit PIN number.



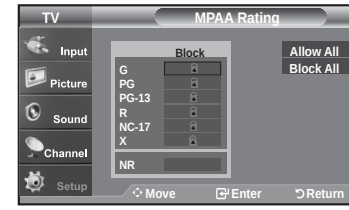
3. The “V-Chip” screen will appear. Press the ▲ or ▼ buttons to select “MPAA Rating”, then press the **ENTER** button.







4. The “MPAA Rating” screen will appear. Repeatedly press the ▲ or ▼ buttons to select a particular MPAA category. Pressing the ▲ or ▼ buttons will cycle through the MPAA categories:



- **G:** General audience (no restrictions).
- **PG:** Parental guidance suggested.
- **PG-13:** Parents strongly cautioned.
- **R:** Restricted. Children under 17 should be accompanied by an adult.
- **NC-17:** No children under age 17.
- **X:** Adults only.
- **NR:** Not rated.

➢ Allow all: Press to unlock all TV ratings. / Block all: Press to lock all TV ratings.

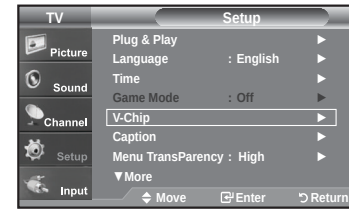
➢ While a particular category is selected, press the **ENTER** button to activate it. The “ 🔒 ” symbol will be displayed. Press the **ENTER** button to block or unblock the category.

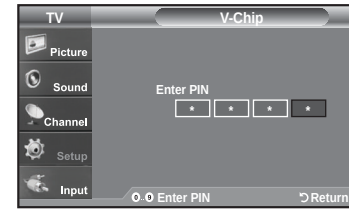
➢ The V-Chip will automatically block any category that is “more restrictive”. For example, if you block the “PG-13” category, then “R”, “NC-17” and “X” will automatically be blocked also.

Press the **EXIT** button to exit.

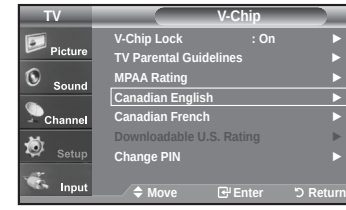
How to Set up Restrictions Using the 'Canadian English'

1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ buttons to select "Setup", then press the **ENTER** button.
2. Press the ▲ or ▼ buttons to select "V-Chip", then press the **ENTER** button.
   The message "Enter PIN" will appear. Enter your 4 digit PIN number.





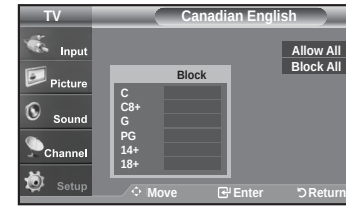
3. The "V-Chip" screen will appear. Press the ▲ or ▼ buttons to select "Canadian English", then press the **ENTER** button.

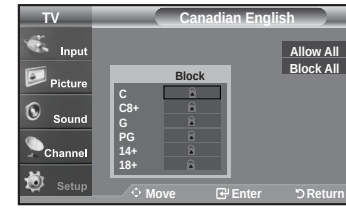


4. Press the ▲ or ▼ buttons to select a appropriate restriction.
   Press the **ENTER** button to activate the restriction selected. The " 🔒 " symbol is indicated.

   Press the **EXIT** button to exit.

   ➢ Allow all: Press to unlock all TV ratings. / Block all: Press to lock all TV ratings.

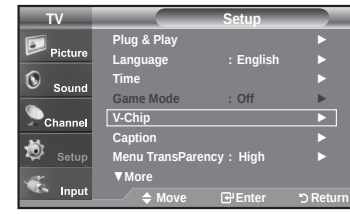


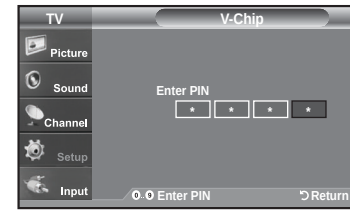


- **C:** Programming intended for children under age 8.
- **C8+:** Programming generally considered acceptable for children 8 years and over to watch on their own.
- **G:** General programming, suitable for all audiences.
- **PG:** Parental Guidance.
- **14+:** Programming contains themes or content which may not be suitable for viewers under the age of 14.
- **18+:** Adult programming.

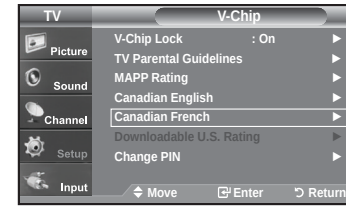
How to Set up Restrictions Using the 'Canadian French'

1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ buttons to select "Setup", then press the **ENTER** button.
2. Press the ▲ or ▼ buttons to select "V-Chip", then press the **ENTER** button.
   The message "Enter PIN" will appear. Enter your 4 digit PIN number.





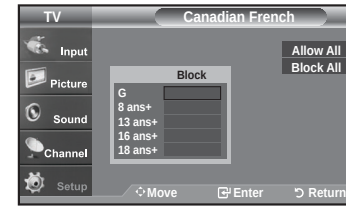
3. The "V-Chip" screen will appear. Press the ▲ or ▼ buttons to select "Canadian French", then press the **ENTER** button.

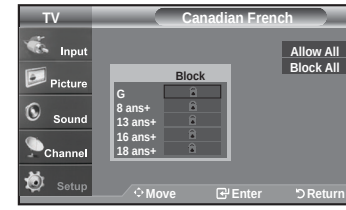


4. Press the ▲ or ▼ buttons to select an appropriate restriction.
   Press the **ENTER** button to activate the restriction selected. The " 🔒 " symbol is indicated.

   Press the **EXIT** button to exit.

   ➢ Allow all: Press to unlock all TV ratings. / Block all: Press to lock all TV ratings.



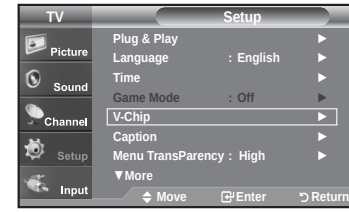


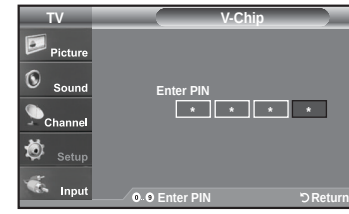
- **G:** General
- **8 ans+:** Programming generally considered acceptable for children 8 years and over to watch on their own.
- **13 ans+:** Programming may not be suitable for children under the age of 13.
- **16 ans+:** Programming is not suitable for children under the age of 16.
- **18 ans+:** Programming restricted to adults.

Using the V-Chip for Digital channels

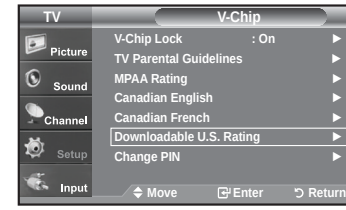
Parental restriction information can be used while watching DTV channels.

1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ buttons to select “Setup”, then press the **ENTER** button.
2. Press the ▲ or ▼ buttons to select “V-Chip”, then press the **ENTER** button.
   The message “Enter PIN” will appear. Enter your 4 digit PIN number.



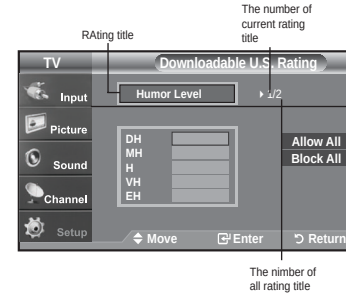


3. The “V-Chip” screen will appear. Press the ▲ or ▼ buttons to select “Downloadable U.S. Rating”, then press the **ENTER** button.
   - ➢ If information is not downloaded from the broadcasting station, the Downloadable U.S. rating menu is deactivated.
   - ➢ Parental restriction information is automatically downloaded while watching DTV channels. It may take several seconds.
   - ➢ The Downloadable U.S. rating menu is available for use after information is downloaded from the broadcasting station. However, depending on the infor mation from the broadcasting station, it may not be available for use.



4. Press the ▲ or ▼ buttons to select a appropriate restriction.
   Press the **ENTER** button to activate the restriction selected. The “ 🔒 ” symbol is indicated.

   Press the **EXIT** button to exit.



   - ➢ Allow all: Press to unlock all TV ratings. / Block all: Press to lock all TV ratings.
   - ➢ Parental restriction levels differ depending on the broadcasting station.
   - ➢ The default menu name and Downloadable US rating changes depending on the downloaded information.
   - ➢ Even if you set the On-screen display to your desired language, the "Downloadable U.S. Rating" menu will appear in English only.
   - ➢ The rating will automatically block certain categories that are more restrictive.
   - ➢ The rating titles(For example: Humor Level..etc) and TV ratings(For example: DH,MH,H..etc) may differ depending on the broadcasting station.

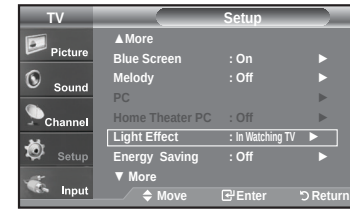
Setting the Light Effect (LN-T4065F / LN-T4665F / LN-T5265F)

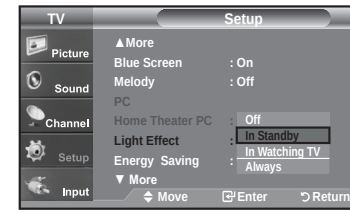
You can turn on/off the blue LED on the front of TV.

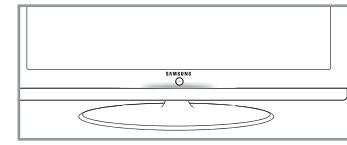
1. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ buttons to select “Setup”, then press the **ENTER** button.
2. Press the ▲ or ▼ buttons to select “Light Effect”, then press the **ENTER** button.
3. Press the ▲ or ▼ button to select “Off”, “In Standby”, “In Watching TV” or “Always”, then press the **ENTER** button.

- **Off:** LED will not come on.
- **In Standby:** Turns the LED on in standby mode.
- **In Watching TV:** Turns the LED on while watching TV.
- **Always:** LED will come on after you turn the TV off.

Press the **EXIT** button to exit.



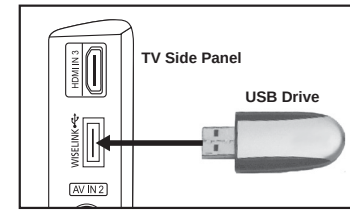


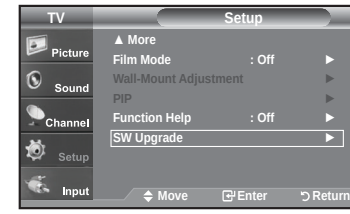


Upgrading the Software

Samsung may offer upgrades for TV's firmware in the future. Please contact the Samsung call center at 1-800-SAMSUNG (726-7864) to receive information about downloading upgrades and using a USB drive. Upgrades will be possible by connecting a USB drive to the USB port located on located on the side of your TV.

1. Insert a USB drive containing the firmware upgrade into the WISELINK port on the side of the TV.
2. Press the **MENU** button to display the menu.
   Press the ▲ or ▼ button to select Setup, then press the **ENTER** button.
3. Press the ▲ or ▼ button to select Software upgrade, then press the **ENTER** button.
4. Press the ▲ or ▼ button to select USB Upgrade, then press the **ENTER** button.
   The message Scanning for USB... It may take up to 30 seconds. is displayed. Please be careful to not disconnect the power or remove the USB drive while upgrades are being applied. The TV will shut off and turn on automatically after completing the firmware upgrade. Please check the firmware version after the upgrades are complete.





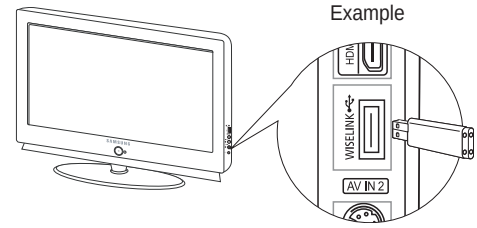
Using the WISELINK Function

This function enables you to view and listen to photo (JPEG) and audio files (MP3) saved on a USB Mass Storage Class (MSC) device.

Press the **POWER** button on the remote control or front panel. Connect a USB device containing JPEG and/or MP3 files to the WISELINK jack (USB jack) on the side of the TV.

TV Side Panel

Example



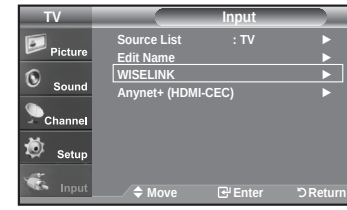
- If you enter the WISELINK mode with no USB device connected the message “There is no device connected” will appear. In this case, insert the USB device, exit the screen by pressing the WISE LINK button on the remote control and enter the WISELINK screen again.
- Photo and audio files must be named in English, French, or Spanish. If not, the files can not be played. Change the file names to English, French,or Spanish if necessary.
- The file system only supports FAT16/32 (The NTFS file system is not supported)
- Certain types of USB devices may not be compatible with this TV.
- Wiselink only supports the USB Mass Storage Class device (MSC). MSC is a Mass Storage Class Bulk-Only Transport device. Examples of MSC are Thumb drives and Flash Card Readers (Both USB HDD and HUB are not supported.)
- Before connecting your device to the TV, please back up your files to prevent them from damage or loss of data. SAMSUNG is not responsible for any data file damage or data loss.
- Recommended image resolution for Wiselink is 600 mega pixels.
- Please connect directly to the USB port of your TV. If you are using a separate cable connection, there may be a USB Compatibility problem.
- Only MP3 and JPEG file formats are supported.
- We recommend the sequential jpeg format. Progressive jpeg uses a lot of memory and decoding may fail.
- Do not disconnect the USB device while it is “loading.”
- Neither PTP (Picture Transfer Protocol) nor MTP (Media Transfer Pprotocol) is supported.
- The playing duration of an mp3 file may be displayed as ‘00:00:00’ if its playing time information is not found at the start of the file
- The higher the resolution of the image, the longer it takes to display on the screen.
- If the horizontal resolution of an image is higher than 5000, it cannot be decoded.
- If the vertical resolution of an image is higher than 4000, it cannot be decoded.

Using the Remote Control Button in WISELINK Menu

Button	Operations
	Move the cursor and select an item
	Select the currently selected item.
	Play or pause the Slide Show or MP3 file.
	Return to the previous menu
	Run various functions from the Photo and Music menus.
	Stop the current slide show or MP3 file.
	Page Up or Down (file list item)
	Stop the current function and return to the previous high-level menu.

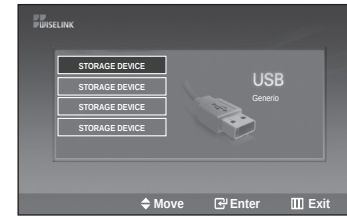
Using the WISELINK Menu

1. Press the **MENU** button. Press the ▲ or ▼ buttons to select “Input”, then press the **ENTER** button.
2. Press the ▲ or ▼ button to select “WISELINK”, then press the **ENTER** button.



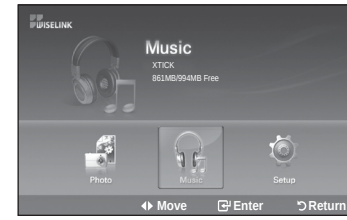
3. Press the ▲ or ▼ button to select the corresponding USB Memory Device, then press the **ENTER** button.

   ➢ The **WISELINK** menu differs depending on the USB Memory Device connected to TV.

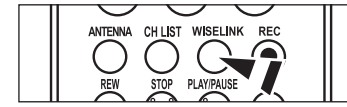


4. Press the ◄ or ► button to move to an icon, then press the **ENTER** button.

   ➢ To exit WISELINK mode, press the **WISELINK** button on the remote control.



Press the **WISELINK** button on the remote control to display a WISELINK menu.



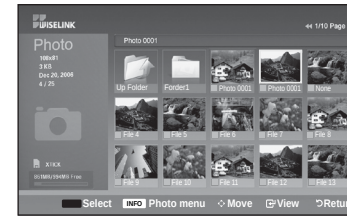
Using the PHOTO (JPEG) List

This menu shows JPEG files and folders saved on an USB memory device.

1. Complete Steps 1 to 3 of “Using the WISELINK Menu”. (Refer to page 65)
2. Press the ◄ or ► button to move to “Photo”, then press the **ENTER** button. The saved file information is displayed as a folder or file.

3. Press the ▲, ▼, ◄ and ► buttons to select a file, then press the **ENTER** button.
   - Pressing the **ENTER** button over a photo icon shows the currently selected photo in full screen.
   - Pressing the **ENTER** button over a folder icon shows the JPEG files included in the folder.

   To exit WISELINK mode, press the **WISELINK** button on the remote control.



- ➢ Moving to a photo may take a few seconds to load the file. At this point, the Loading icon will appear at the top left of the screen.
- ➢ This menu only shows files whose file extension is jpg. Files of other formats such as bmp or tiff will not be displayed.
- ➢ The files are displayed on a page. 15 thumbnail photos are displayed per page.
- ➢ The thumbnails are numbered from left to right and from top to bottom, from 1 to 15.
- ➢ Certain types of USB Digital camera and audio devices may not be compatible with this TV.
- ➢ Folders are displayed first and they are followed by all JPEG files in the current folder. The folders and JPEG files are sorted in alphabetical order.
- ➢ If the photo is displayed in full screen, you can zoom in and out or rotate the photo on the screen.
- ➢ It takes time to show JPEG files as Thumbnail images.

: Folder icon

: Photo icon

: Move to the previous folder stage icon

Selecting a Photo and Slide Show

1. Complete Steps 1 to 3 of “Using the WISELINK Menu”. (Refer to page 65)
2. Press the ◄ or ► button to move to “Photo”, then press the **ENTER** button. The saved file information is displayed as a folder or file.

3. Press the **INFO** button to display “Slide Show” or “Cancel the Selected file”.

4. Press the ▲ or ▼ button to select “Slide Show”, then press the **ENTER** button.

- ➢ During the slide show, files are displayed in order from the currently shown file.
- ➢ MP3 files can be automatically played during the Slide Show if the Default Background Music is set to On. To enable this function, MP3 files and other photo files must be located in the same folder on the USB Memory Device.

5. Press the **INFO** button during “Slide Show” to set the option (Slide show Speed, Background Music, Background Music Setting, List).

   Press the ▲ or ▼ button to select the option, then press the **ENTER** button.

   • After setting the option press the **ENTER** button to make a change.

Using the Menu during a Slide Show

Slide Show Speed:

Select to control the slide show speed.

You can select Slow, Normal, or Fast.

Background Music:

Select to choose whether you want to play an MP3 file during a slide show.

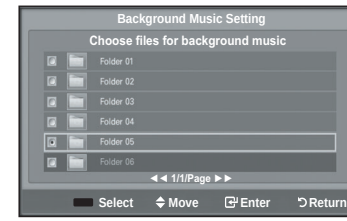
You can select Music "ON" or "OFF".

Background Music Setting:

While the slide show is in progress, MP3 files and folders under the same directory are displayed.

Select a folder using the ▲ or ▼ buttons and press the **ENTER** button.
The selected folder will be highlighted.
Press the **RETURN** button again to return to the slide show screen.
The selected background music is played.

➢ If you turn Off the Background Music, even if the Background Music Settings have been set up, the background music will not be played.



List:

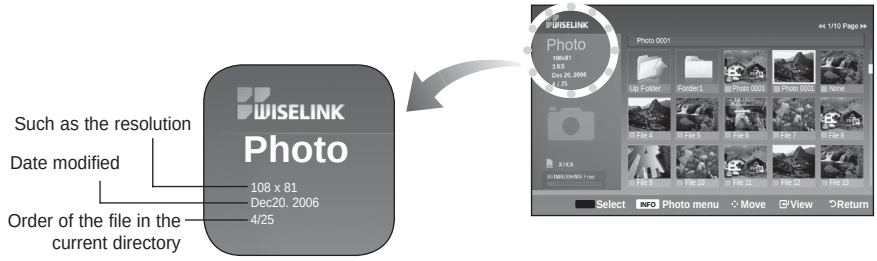
The file information is displayed as a folder or JPEG file.

To exit WISELINK mode, press the **WISELINK** button on the remote control.

Slideshow function information icon (Displayed at the top left of the screen).

Icon	Current OSD	Function
Play	(Photo) SlideShow	Photo SlideShow is in progress.
Pause	Photo Pause	You are able to pause a SlideShow and Music by pressing the PLAY/PAUSE ►II button on the remote control during a SlideShow. To resume the SlideShow, press the PLAY/PAUSE ►II button on the remote control again.
	Move to Next Photo	Pressing the (right) direction button on the remote control allows you to move to the next photo.
	Move to Previous Photo	Pressing the (left) direction button on the remote control allows you to move to the previous photo

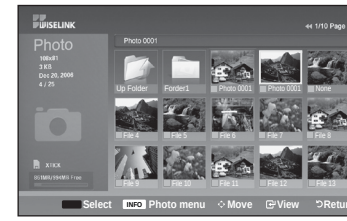
➢ When selecting a photo file, the photo file information is displayed on the left side of the TV screen, such as the resolution, the date modified and the order of the file in the current directory (e.g. 10th out of 15).



Rotating

1. Complete Steps 1 to 3 of “Using the WISELINK Menu”. (Refer to page 65)
2. Press the ◄ or ► button to move to “Photo”, then press the **ENTER** button.
   The saved file information is displayed as a folder or file.

3. Press the ▲, ▼, ◄ and ► buttons to select a file, then press the **ENTER** button.
   Pressing the button over a photo thumbnail displays the photo in full screen.



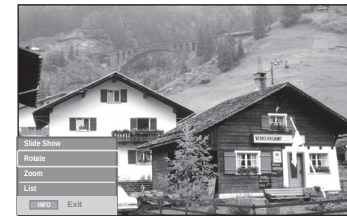
4. Press the **INFO** button to display the option(Slide Show, Rotate, Zoom, List).

   Press the ▲ or ▼ button to select “Rotate”, then press the **ENTER** button.

   • The **INFO** button, the Rotate option and Enter must be pressed each time you want to rotate the picture. For example, from 90 to 180 degrees.

   To rotate a photo, press the **INFO** button to open the options window, select the “Rotate” option and press the **ENTER** button.
   Whenever you do this, the photo on the screen is rotated. (90°, 180°, 270°, 0°)

   To exit WISELINK mode, press the **WISELINK** button on the remote control.



   ➢ The rotated file is not saved.

   ➢ The Zoom/Slide Show option is disabled when the Rotate option is selected.

The Rotating function information icon (Displayed at the top left of the screen).

Icon	Current OSD	Function
90°	Rotating (90°)	This rotates a photo by 90 degrees
180°	Rotating (180°)	This rotates a photo by 180 degrees
270°	Rotating (270°)	This rotates a photo by 270 degrees
0°	Rotating (0°)	This rotates a photo to its original position

Zooming-in

1. Complete Steps 1 to 3 of “Using the WISELINK Menu”. (Refer to page 65)
2. Press the ◄ or ► button to move to “Photo”, then press the **ENTER** button.
   The saved file information is displayed as a folder or file.

3. Press the ▲, ▼, ◄ and ► buttons to select a file, then press the **ENTER** button.
   Pressing the button over a photo thumbnail displays the photo in full screen.

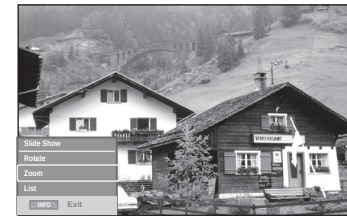
4. Press the **INFO** button to display the option(Slide Show, Rotate, Zoom, List).

   Press the ▲ or ▼ button to select “Zoom”, then press the **ENTER** button.
   The enlarged photo image appears on the screen.

   To enlarge a displayed photo, press the **INFO** button to open the Options window, select the “Zoom” option and press the **ENTER** button.
   Whenever you do this, the following zoom options are applied in sequence.

   • The **INFO** button, the Rotate option and Enter must be pressed each time you want to Zoom the picture. For example, from x 2 to x 4.

   • Zoom(x 2): Zoom-in to the photo x2.
   • Zoom(x 4): Zoom-in to the photo x4.
   • Zoom(x 1): Restore the photo to its original size.



   To pan up/down/left/right, press the ▲, ▼, ◄ and ► buttons.

   ➢ Images with a resolution larger than 1280 X 720 are not supported.

   To exit WISELINK mode, press the **WISELINK** button on the remote control.

Zoom function information icon (Displayed at the top left of the screen).

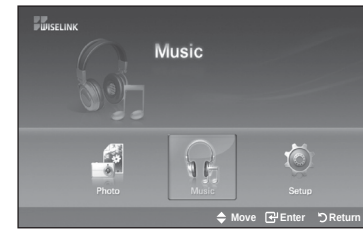
Icon	Current OSD	Function
	Zoom (x 2)	Zoom-in to a photo x2.
	Zoom (x 4)	Zoom-in to a photo x4.
	Zoom (x 1)	Restore a photo to its original size.
	Pan Down	Pan down to view the lower part of a zoomed-in photo.
	Pan Up	Pan up to view the upper part of a zoomed-in photo.
	Pan Right	Pan right to view the right side of a zoomed-in photo.
	Pan Left	Pan left to view the left side of a zoomed-in photo.
	Pan Down (END)	Pan to the bottom of a zoomed-in photo.
	Pan Up (END)	Pan to the top of a zoomed-in photo.
	Pan Right (END)	Pan to the right-most part of a zoomed-in photo.
	Pan Left (END)	Pan to the left-most part of a zoomed-in photo.

➢ The Rotate/Slide show option is disabled when the Zoom option is selected.

Using the MP3 List

This menu shows MP3 files from among the files saved on a USB memory device.

1. Complete Steps 1 to 3 of “Using the WISELINK Menu”. (Refer to page 65)
2. Press the ◄ or ► button to move to “Photo”, then press the **ENTER** button. The saved file information is displayed as a folder or file.

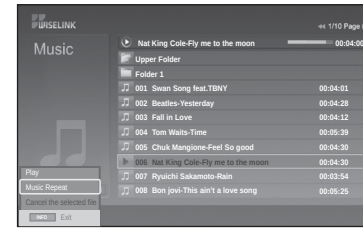


3. Press the ▲ or ▼ button to select a file, then press the **ENTER** button.

   To select all files or a file, press the **INFO** button to display the Music menus. Press the **ENTER** button to select “Play”, “Music Repeat”, or “Cancel the selected file”.

   • Pressing the **ENTER** button over a musical note icon immediately plays the music file.
   • Pressing the **ENTER** button over a folder icon shows the music files included in the folder.

   To select a file on the next page, press the REW ◄◄ or FF ►► button to move to the next page.



: Folder icon

: Photo icon

: Move to the previous folder stage icon

4. Press the **PLAY/PAUSE** ►II button while playing an MP3 file to pause the file. Press the **STOP** button ■ to exit Play mode.

   To exit WISELINK mode, press the **WISELINK** button on the remote control.

   ➢ This menu only shows files with the MP3 file extension. Files with other file extensions are not displayed,even if they are saved on the same USB device.

   ➢ The selected file is displayed on the top with its playing time.

   ➢ To adjust the music volume, press the VOL+ or VOL- button on the remote control. To mute the sound, press the **MUTE** button on the remote control.

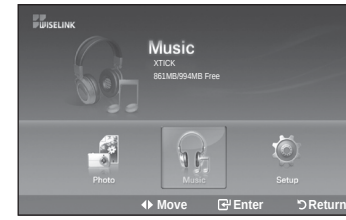
   ➢ FF ►► /REW ◄◄ Key does not function during the play.

Music function information icon (Displayed at the top left of the screen).

Icon	Current OSD	Function
	(Music) All	When all music files are being played.
	(Music) One	When a music file is being played.
	(Music) Play/Pause	When pressing the **PLAY/PAUSE** ►II button on the remote control while music is playing. The music stops and the ‘Play’ text appears at the top of the screen.
	(Music) Stop	When pressing the STOP ■ button on the remote control when music is stopped. The music resumes and the ‘Stop’ text appears at the top of the screen.

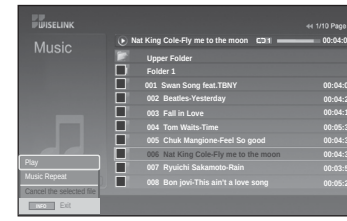
Music Repeat

1. Complete Steps 1 to 3 of “Using the WISELINK Menu”. (Refer to page 65)
2. Press the ◄ or ► button to move to “Music”, then press the **ENTER** button. The saved file information is displayed as a folder or file.



3. Press the ▲ or ▼ button to select a file, then press the **ENTER** button.

   To select all files or a file, press the **INFO** button to display the Music menus. Press the **ENTER** button to select “Play”, “Music Repeat”, or “Cancel the selected file”.



4. Press the **ENTER** button to select “Music Repeat”.

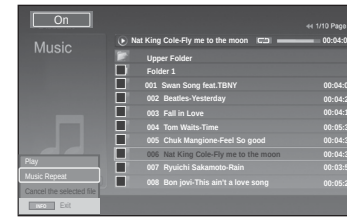
   ➢ Select to repeatedly play MP3 files in the current folder.

   You can select On or Off

   • On: Plays back a music file or all music files repeatedly

   • Off: Doesn’t play back the music files repeatedly.

   To exit WISELINK mode, press the **WISELINK** button on the remote control.

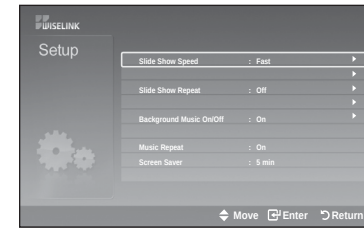


Using the Setup Menu

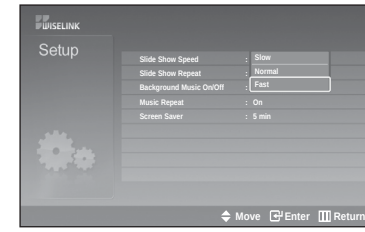
Setup displays the user settings of the WISELINK menu.

1. Complete Steps 1 to 3 of “Using the WISELINK Menu”. (Refer to page 65)
2. Press the ◄ or ► button to move to “Setup”, then press the **ENTER** button.

3. Press the ▲ or ▼ button to select a file, then press the **ENTER** button.



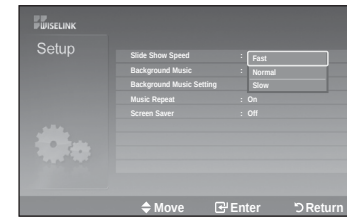
4. Press the ▲ or ▼ button to select the option, then press the **ENTER** button.



continued...

Slide Show Speed:

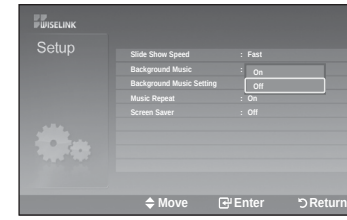
Select to control the slide show speed. You can select Slow, Normal or Fast.



Background Music :

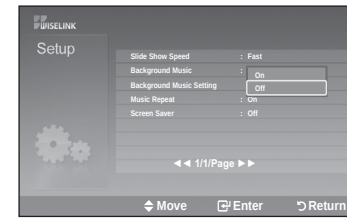
Select to determine whether to play an MP3 file during a slide show.

You can select Music On or Music Off.



Background Music Setting:

You can select the background music to play during a slide show. You can also select the background music while a slide show is playing by pressing the **INFO** button and selecting the “Background Music Setting” menu.

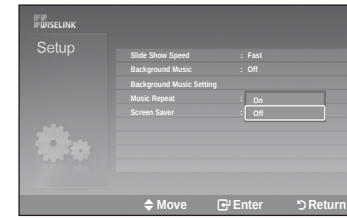


Music Repeat:

Select to repeatedly play MP3 files in the current folder.

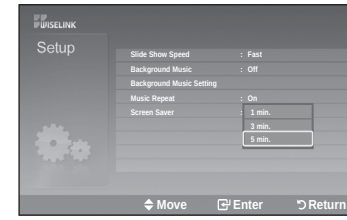
You can select "On" or "Off".

On: All(Music) All, 1(Music) One
Off: All(Music) All, 1(Music) One



Screen Saver:

Select to set the waiting time before the screen saver appears.
The screensaver will appear when no button is pressed for 1, 3 or 5 minutes.



To exit WISELINK mode, press the **WISELINK** button on the remote control.

About Anynet+

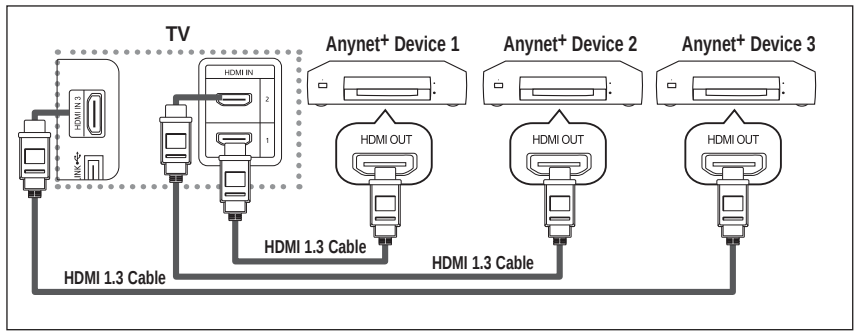
What is Anynet+?

Anynet+ is an AV network system that enables you to control all connected Samsung AV devices with the TV's remote.

Connecting Anynet+ Devices

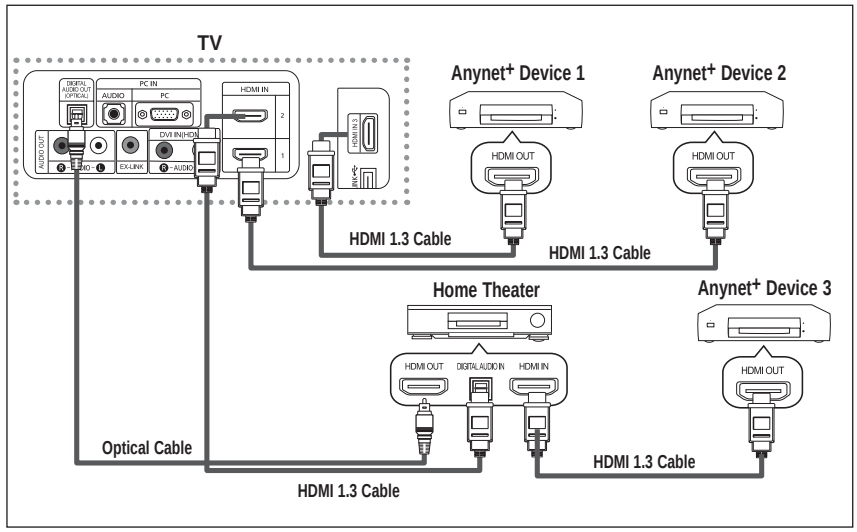
The Anynet+ system can be used only with Samsung AV devices that have the Anynet+ feature.
To be sure your Samsung AV device has this feature, check if there is an Anynet+ mark on it.

To directly connect to TV



Connect the [HDMI 1], [HDMI 2] or [HDMI 3] jack on the TV and the HDMI OUT jack of the corresponding Anynet+ device using the HDMI cable.

To connect to Home Theater



1. Connect the [HDMI 1], [HDMI 2] or [HDMI 3] jack on the TV and the HDMI OUT jack of the corresponding Anynet+ device using the HDMI cable.
2. Connect the HDMI IN jack of the home theater and the HDMI OUT jack of the corresponding Anynet+ device using the HDMI cable.

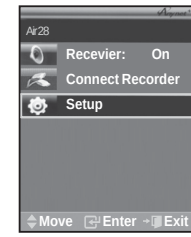
- Connect the Optical cable between [Digital Audio Out (Optical)] on your TV and Digital Audio Input on the Home Theater.
- Connect only one Home Theater.
- You can listen to 5.1 channel sound through the home theater's speakers. Otherwise, you can only listen to 2 channel stereo sound in other cases. Make sure to connect the Digital Audio IN (Optical) of the home theater and the TV correctly to listen to TV sound through the home theater. However, you cannot listen to sound from the BD recorder that is sent to the home theater via the TV in 5.1 channel sound because the TV outputs only 2 channel stereo sound. Please see the manual for the home theater.
- You can connect an Anynet+ device using the HDMI 1.3 cable. Some HDMI cables may not support Anynet+ functions.
- Anynet+ works when the AV device supporting Anynet+ is in the Standby or On status.
- Anynet+ supports up to 12 AV devices in total.

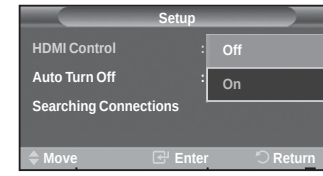
Setting Up Anynet+

The following settings are to use Anynet+ functions.

To use the Anynet+ Function, HDMI Control must be set to On

1. Press the **Anynet+** button.
   Press the ▲ or ▼ button to select Setup, then press the **ENTER** button.
2. Press the **ENTER** button to select Anynet+ (HDMI-CEC), then press the **ENTER** button.
3. Press the ▲ or ▼ button to select On, then press the **ENTER** button.
   - ➢ The Anynet+ (HDMI-CEC) function is enabled.
   - ➢ If you select Off, Anynet+ (HDMI-CEC) is disabled.

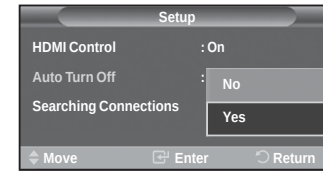




Setting an Anynet+ Device to turn Off Automatically when the TV is Turned Off

2. Press the ▲ or ▼ button to select **Auto Turn Off**, then press the **ENTER** button.
3. Press the ▲ or ▼ button to select On, then press the **ENTER** button.
   - ➢ The Auto turn off function is enabled.
   - ➢ If you select Off, the Auto turn off function is canceled.

   Press the **EXIT** button to exit.

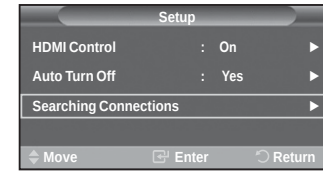


- ➢ The Select Device setting of the TV remote control is to be set to TV to use the Anynet+ function.
- ➢ If you set Auto Turn Off to On, connected external devices are also turned off when the TV is turned off. However, if the device is recording, it may not be turned off.
- ➢ When the Anynet+ (HDMI-CEC) function is disabled, all the Anynet+ related operations are deactivated.

Scanning and Switching between Anynet+ Devices

1. Press the **Anynet+** button.
   - ➢ Anynet+ devices connected with the TV are listed.
2. Press the ▲ or ▼ button to select to a particular device and press the **ENTER** button. It is switched to the selected device.
3. If you cannot find a device you want, press the ▲ or ▼ button to select Searching Connections, then press the **ENTER** button.

   The meassage Configuring Anynet+ connection... is displayed.
   When searching devices completes, the connected devices are listed in the Anynet+ menu.



- ➢ Switching to the selected devices may take up to 2 minutes. You cannot cancel the operation during the switching operation.
- ➢ The time required to scan for devices is determined by the number of connected devices.
- ➢ When the device scan is complete, the number of found devices is not displayed.
- ➢ Although the TV automatically scans devices when it is turned on using the **POWER** button, devices connected when the TV is on or under a specific circumstance are not displayed in the device list. Therefore select Searching Connections menu to search devices.
- ➢ If you have selected external input mode by pressing the **SOURCE** button, you cannot use the Anynet+ function. Make sure to switch to an Anynet+ device by using the Anynet+ button.

Anynet+ Menu

The Anynet+ menu changes depending on the type and status of the Anynet+ devices connected to the TV.

Anynet+ Menu	Description
Watch TV	Switches from Anynet+ to TV broadcast mode.
(Device_Name) Menu	Shows the menu of the connected device. Example. When a DVD Recorder is connected, the DVD Recorder's title menu appears.
(Device_Name) Operation	Shows the play control menu of the connected device. Example. When a DVD Recorder is connected, the play control menu of the DVD Recorder appears.
Connected to (Device_Name)	**Your TV connects to the corresponding device.**
Receiver	Sound is output through the receiver.
Setup	**You can set the environment for using Anynet+.**

TV Remote Control Buttons Available in Anynet+ Mode

Device Type	Operating Status	Available Buttons
Anynet+ Device	After switching to the device, when the menu of the corresponding device is displayed on the screen.	Numeric buttons ▲/▼/◄/►/**ENTER** buttons Color buttons EXIT button
	After switching to the device, while playing a file	◄◄ (Backward search) ►►(Forward search) ■(Stop) ►‖ (Play/Pause)
Device with built-in Tuner	After switching to the device, when you are watching a TV program	CH ▲/▼ button
Audio Device	When Receiver is activated	VOL +/- button MUTE button
Anyview2	When watching TV	►‖ (Play/Pause)

- ➢ The Anynet+ function only works when the remote control is set to TV.
- ➢ The **REC** button works only in Watch TV status.
- ➢ You cannot control Anynet+ devices using the buttons on the side of the TV. You can control Anynet+ devices only using the TV remote control.
- ➢ The TV remote control may not work under certain conditions. In this case, re-select the Anynet+ device.
- ➢ The Anynet+ functions do not work withother manufacturers' products.
- ➢ In Anynet+ mode, the color buttons may not work properly.

Recording

You can make a recording of a TV program using a recorder.

Press the **REC** button.

Recording begins. (Only when the Anynet+ enabled recording device is connected.)

- ➢ The current TV program is recorded in the Watching TV status. If you are watching video from another device, the video from the device is recorded.

Listening through a Receiver (Home theater)

You can listen to sound through a receiver instead of the TV speaker.

1. Press the **Anynet+** button.
   Press the ▲ or ▼ button to select Receiver, then press the **ENTER** button.
2. Press the ◄ or ► button to select to On, then press the **ENTER** button.
   Now you can listen to sound through the receiver.
3. Press the **EXIT** button to exit.

- ➢ When the receiver is set to On, you can listen to the TV sound through the 2-channel receiver.
- ➢ If the receiver is exclusively for a home theater only (supporting audio only), it may not appear in the device list.
- ➢ Only when you have connected the optical jack of the TV and the receiver properly, does Receiver work.
- ➢ In case of a content with copyright problem, listening through the receiver may not properly operate.

Check Points before Requesting Service

Symptom	Solution
Anynet+ does not work.	■ Check if the device is an Anynet+ device. The Anynet+ system supports Anynet+ devices only. ■ Connect only one receiver (home theater). ■ Check if the Anynet+ device power cord is properly connected. ■ Check the Anynet+ device's Video/Audio/HDMI 1.3 cable connections. ■ Check whether the TV remote control is in TV mode. ■ Check whether it is Anynet+ exclusive remote control. ■ Anynet+ doesn't work at a certain condition. (Searching channels, Operating WISELINK)
I want to start Anynet+.	■ Check if the Anynet+ device is properly connected to the TV and check if the Anynet+ (HDMI-CEC) is set to On in the Anynet+ Setup menu. ■ Press the **TV** button on the TV remote control to switch to TV. Then press the **Anynet+** button to show the Anynet+ menu and select a menu you want.
I want to exit Anynet+.	■ Select **Watch TV** in Anynet+ menu. ■ Press the **SOURCE** button on the TV remote control and select a device other than Anynet+ devices. ■ Press **CH, CH LIST, PRE-CH**, etc. to change to the TV mode. (Note that the channel button operates only when a tuner-embedded Anynet+ device is not connected.)
The Connecting to Anynet+ device... message appears on the screen.	■ You cannot use the remote control when you are configuring Anynet+ or switching to a view mode. ■ Use the remote control when the Anynet+ setting or switching to view mode is complete.
The Anynet+ device does not play.	You cannot use the play function when an auto channel scan is in progress or in WISELINK mode. Stop the currently running function.
The connected device is not displayed.	■ Check whether or not the device supports Anynet+ functions. ■ Check whether or not the HDMI 1.3 cable is properly connected. ■ Check whether HDMI Control is set to On in the Anynet+ setup menu. ■ Search Anynet+ devices again. ■ You can connect an Anynet+ device using the HDMI 1.3 cable only. Some HDMI cables may not support Anynet+ functions.

Appendix

Troubleshooting

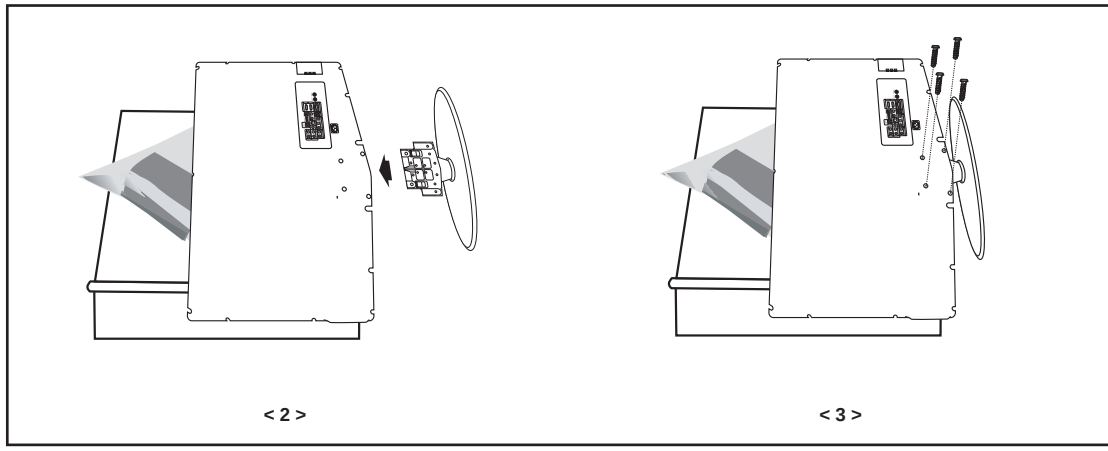
If the TV seems to have a problem, first try this list of possible problems and solutions.
If none of these troubleshooting tips apply, call your nearest Samsung service center.

Problem	Possible Solution
Poor picture	Try another channel. Adjust the antenna. Check all wire connections.
Poor sound quality.	Try another channel. Adjust the antenna.
No picture or sound.	Try another channel. Press the SOURCE button. Make sure the TV is plugged in. Check the antenna connections.
No sound or sound is too low at maximum volume.	First, check the volume of units connected to your TV (digital broadcasting receiver, DVD, cable broadcasting receiver, VCR, etc.). Then, adjust the TV volume accordingly.
Picture rolls vertically.	Check all wire connections.
The TV operates erratically.	Unplug the TV for 30 seconds, then try operating it again.
The TV won't turn on.	Make sure the wall outlet is working.
Remote control malfunctions	Replace the remote control batteries. Clean the upper edge of the remote control (transmission window). Check the battery terminals.
"Check signal cable" message.	Ensure that the signal cable is firmly connected to the PC source.
"Not Supported Mode" message.	Check the maximum resolution and the frequency of the Video Adapter. Compare these values with the data in the Display Modes.
Digital broadcasting screen problem.	Please check the digital signal strength and input antenna.
The image is too light or too dark.	Adjust the Brightness and Contrast. Adjust the Fine tuning.
Black bars on the screen.	Make sure the broadcast you're receiving is High Definition (HD). HD channels sometimes broadcast Standard Definition (SD) programming, which can cause black bars. Set your cable/satellite box to stretch or widescreen mode to eliminate the bars.
Picture has a Red/Green or Pink tint.	Make sure the Component cables are connected to the correct jacks.
Closed Captioning not working.	If you are using a Cable/Satellite box, you must set Closed Captioning on the box, not your TV.
Snowy picture	Your cable box may need a firmware upgrade. Please contact your Cable company.
Ghosting on picture	This is sometimes caused by compatibility issues with your cable box. Try connecting Component cables instead.

<table>
<tr><th>Problem</th><th>Possible Solution</th></tr>
<tr><td>Horizontal bars appear to flicker, jitter or shimmer on the image.</td><td>Adjust the Coarse tuning and then adjust the Fine tuning.</td></tr>
<tr><td>Vertical bars appear to flicker, jitter or shimmer on the image.</td><td>Adjust the Coarse tuning and then adjust the Fine tuning.</td></tr>
<tr><td>Screen is black and power indicator light blinks steadily.</td><td>On your computer check: Power, Signal Cable.
The TV is using its power management system.
Move the computer's mouse or press any key on the keyboard.</td></tr>
<tr><td>Image is not stable and may appear to vibrate when you have a computer connected to the PC input.</td><td>If the setting is not correct, use your computer utility program to change the display settings.
➢ Your TV supports multiscan display functions within the following frequency domain:<table><tr><td>Horizontal frequency (kHz)</td><td>30~60</td></tr><tr><td>Vertical frequency (Hz)</td><td>60~75</td></tr><tr><td>PC Maximum refresh rate (at 60 Hz)</td><td>1920 X 1080</td></tr></table></td></tr>
<tr><td>Image is not centered on the screen.</td><td>Adjust the horizontal and vertical position.
The screen position must be adjusted on the output source (i.e. STB) with a digital signal.</td></tr>
<tr><td>If a still image is displayed for an extended period of time, residual images or blurring may appear.</td><td>When you need to leave the monitor unused for an extended period of time, adjust the settings so that the monitor automatically goes into energy saving mode or activates the screen saver to display moving images..</td></tr>
</table>

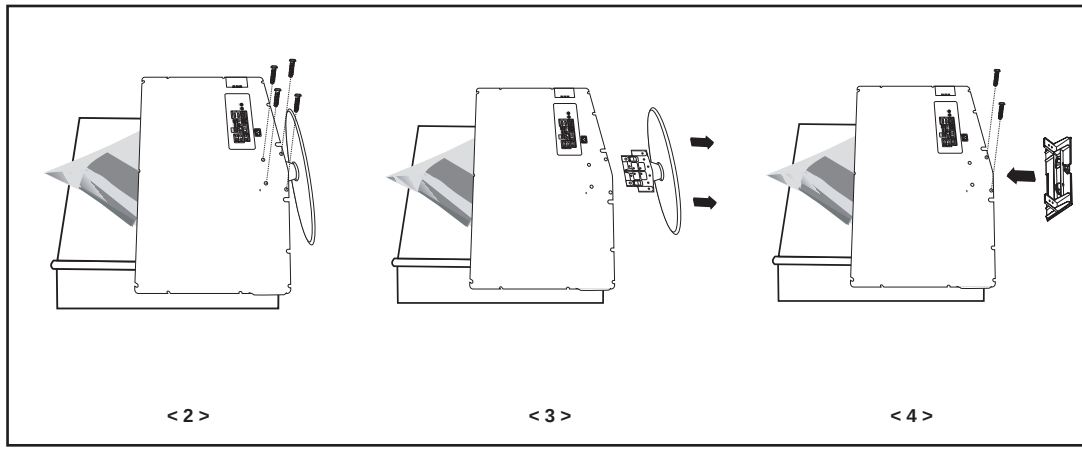
The TFT LCD panel uses a panel consisting of sub pixels (3,147,264) which require sophisticated technology to produce. However, there may be few bright or dark pixels on the screen. These pixels will have no impact on the performance of the product.

Installing the Stand



1. Place the TV face down on a soft cloth or cushion on a table.
2. Put the stand into the hole at the bottom of the TV.
3. Insert screw into the hole indicated and tighten.

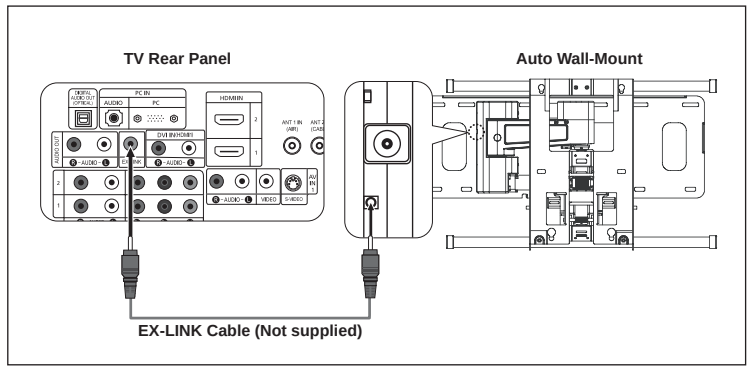
Disconnecting the Stand



1. Place the TV face down on a soft cloth or cushion on a table.
2. Remove four screws from the back of the TV.
3. Separate the stand from the TV.
4. Cover the bottom hole with a cap.

Wall-Mount Adjustment (Sold separately)

Tras instalar el montaje en la pared, puede ajustar fácilmente la posición del televisor.



Entering the menu

1. Press the **MENU** button to display the menu.
Press the ▲ or ▼ button to select “Setup”, then press the **ENTER** button.

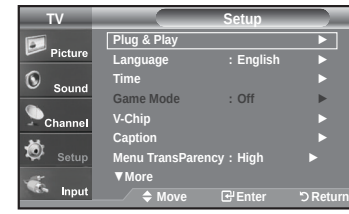
2. Press the ▲ or ▼ buttons to select “Wall-Mount Adjustment”, then press the **ENTER** button.

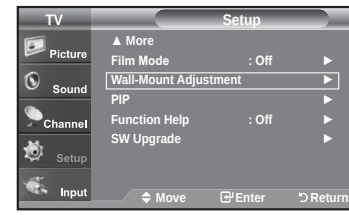
3. Adjust to the desired position using the ▲,▼,◄,► buttons.

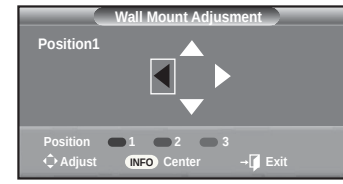
4. Press the **EXIT** button to exit.

➢ If you press an arrow button when no OSD is displayed on the TV screen, the Adjustment screen appears.

➢ When you turn the power off, your TV moves to the initial installation position. When you turn the power on, your TV moves to the last remembered position you adjusted.







Using the Remote Control Buttons

Button	Operations	
	Wall-mount angle adjustment	Tilt Up, Tilt Down, Move right, Move left
	Reset	Moves to the initial installation position
	Remembering the position and moving to the remembered position	Remembers 3 positions with the Red, Green and Yellow buttons. Moves to the remembered position using these 3 color buttons.

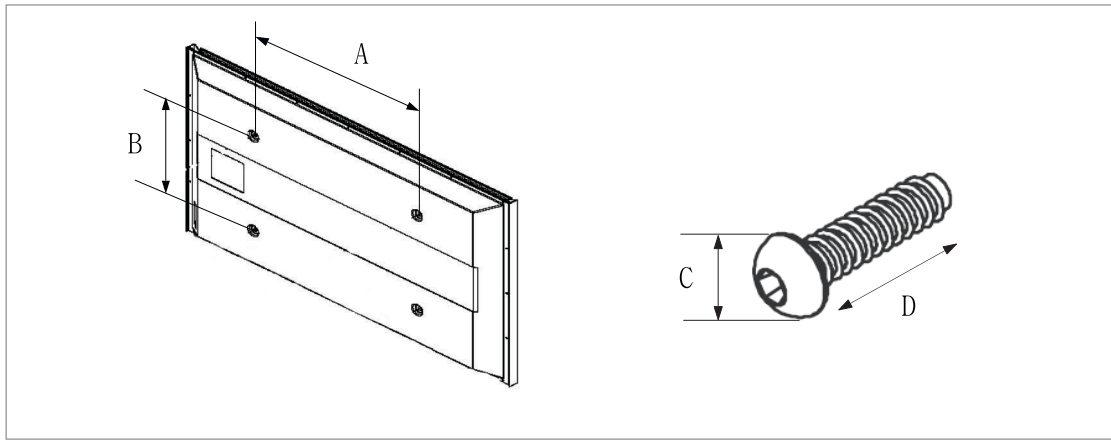
➢ For installation, refer to the Installation Manual provided.

➢ For product installation and the installation and moving of the wall mount, make sure to consult a specialized installation company.

➢ This installation manual is to be used when attaching the wall mount to a wall. When attaching to other building materials, please contact your nearest dealer

Wall Mount Kit Specifications (VESA)

When attaching to other building materials, please contact your nearest dealer.

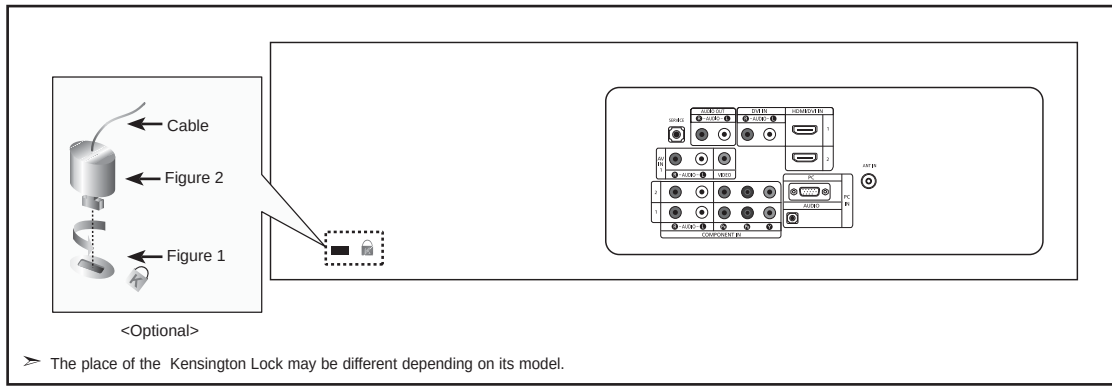


Product Family	inch	VESA Spec. (A * B)	Standard Screw (C * D)	Quantity
LCD-TV	23~ 26	200 * 100	M4 * L10	4
	32 ~ 40	200 * 200	M6 * L10	4
	46 ~ 52	600 * 400	M8 * L15	4
	57	700 * 400		
PDP-TV	42 ~ 50	600 * 400		
	63	No VESA	M8	6

- We provided the standard dimensions for wall mount kits as shown in the table above.
- When purchasing our wall mount kit, a detailed installation manual and all parts necessary for assembly are provided.
- Do not use screws longer than the standard dimension, as they may cause damage to the inside of the TV set.
- Our 63” model does not comply with VESA Specifications. Therefore, you should use our dedicated wall mount kit for this model.

Using the Anti-Theft Kensington Lock

The Kensington lock is a device used to physically fix the system when using it in a public place. The locking device has to be purchased separately. The appearance and locking method may differ from the illustration depending on the manufacturer.
Please refer to the manual provided with the Kensington lock for proper use.



➢ The place of the Kensington Lock may be different depending on its model.

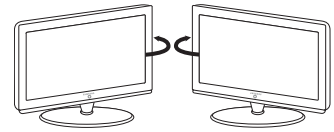
1. Insert the locking device into the Kensington slot on the LCD TV (Figure 1), and turn it in the locking direction (Figure 2).
2. Connect the Kensington lock cable.
3. Fix the Kensington lock to a desk or a heavy stationary object.

Specifications

Model Name	LN-T4061F	LN-T4661F
Screen Size (Diagonal)	40 inches	46 inches
Power Consumption	245 W	265 W
PC Resolution	1920 x 1080 @ 60 Hz	1920 x 1080 @ 60 Hz
Sound Output	10W X 2	10W X 2
Dimensions (WxDxH) Body With stand	38.2 X 3.4 X 24.7 inches (971 x 87.2 x 628 mm) 38.2 X 11.8 X 27 inches (971 x 300 x 687 mm)	43.5 X 4.1 X 27.8 inches (1106 x 104.2 x 706 mm) 43.5 X 12.8 X 30.2 inches (1106 x 326 x 768 mm mm)
Weight With Stand Without stand	46.52 lbs (21.1kg) 39.24 lbs (17.8 kg)	65.26 lbs (29.6kg) 53.35 lbs (24.2kg)
Environmental Considerations Operating Temperature Operating Humidity Storage Temperature Storage Humidity	50 °F to 104 °F (10 °C to 40 °C) 10% to 80%, non-condensing -4 °F to 113 °F (-20 °C to 45 °C) 5% to 95%, non-condensing	50 °F to 104 °F (10 °C to 40 °C) 10% to 80%, non-condensing -4 °F to 113 °F (-20 °C to 45 °C) 5% to 95%, non-condensing

Model Name	LN-T4065F	LN-T4665F	LN-T5265F
Screen Size (Diagonal)	40 inches	46 inches	52 inches
Power Consumption	245 W	265 W	320 W
PC Resolution	1920 x 1080 @ 60 Hz	1920 x 1080 @ 60 Hz	1920 x 1080 @ 60 Hz
Sound Output	10W X 2	10W X 2	10W X 2
Dimensions (WxDxH) Body With stand	40.9 X 3.8 X 24.2 inches (1040.7 x 97 x 615.4 mm) 40.9 X 11.4 X 26.4 inches (1040.7 x 290 x 671 mm)	46.3 X 4.5 X 27.3 inches (1175.8 x 114 x 693.8 mm) 46.3 X 12.6 X 30 inches (1175.8 x 320 x 761.4 mm)	52.2 X 4.8 X 31 inches (1327 x 122 x 787.4 mm) 52.2 X 12.6 X 33.6 inches (1327 x 320 x 854 mm)
Weight With Stand Without stand	47.62 lbs (21.6kg) 39.24 lbs (17.8kg)	67.90 lbs (30.8kg) 56.21 lbs (25.5kg)	81.79 lbs (37.1kg) 70.10 lbs (31.8kg)
Environmental Considerations Operating Temperature Operating Humidity Storage Temperature Storage Humidity	50 °F to 104 °F (10 °C to 40 °C) 10% to 80%, non-condensing -4 °F to 113 °F (-20 °C to 45 °C) 5% to 95%, non-condensing	50 °F to 104 °F (10 °C to 40 °C) 10% to 80%, non-condensing -4 °F to 113 °F (-20 °C to 45 °C) 5% to 95%, non-condensing	50 °F to 104 °F (10 °C to 40 °C) 10% to 80%, non-condensing -4 °F to 113 °F (-20 °C to 45 °C) 5% to 95%, non-condensing

Stand Swivel (Left / Right)



-20˚ ~ 20˚

➢ Design and specifications are subject to change without prior notice.

➢ This device is a Class B digital apparatus.

➢ For the power supply, refer to the label attached to the product.

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Contact SAMSUNG WORLD-WIDE
If you have any questions or comments relating to Samsung products, please contact the SAMSUNG customer care center.

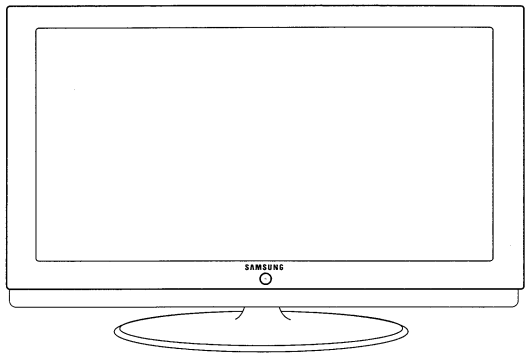
Contacte con SAMSUNG WORLD-WIDE
Si tiene alguna pregunta o comentario referente a nuestros productos, por favor contacte con nuestro Servicio de Atención al Cliente.

Country	Customer Care Center☎	Web Site	Address
CANADA	1-800-SAMSUNG (7267864)	www.samsung.com/ca	Samsung Electronics Canada Inc., Customer Service 55 Standish Court Mississauga, Ontario L5R 4B2 Canada
			Samsung Electronique Canada Inc., Service à la Clientèle 55 Standish Court Mississauga, Ontario L5R 4B2 Canada
U.S.A	1-800-SAMSUNG (7267864)	www.samsung.com	Samsung Electronics America, Inc. 105 Challenger Road Ridgefield Park, NJ 07660-0511

SAMSUNG

Quick Setup Guide

LN-T4061F/LN-T4661F/LN-T4065F/ LN-T4665F/LN-T5265F



STOP

Please do not return this unit

If you are having problems operating this TV,
Please call:

1-800-SAMSUNG (1-800-726-7864)

for assistance

www.samsung.com/global/register

1-800-SAMSUNG (7267864)

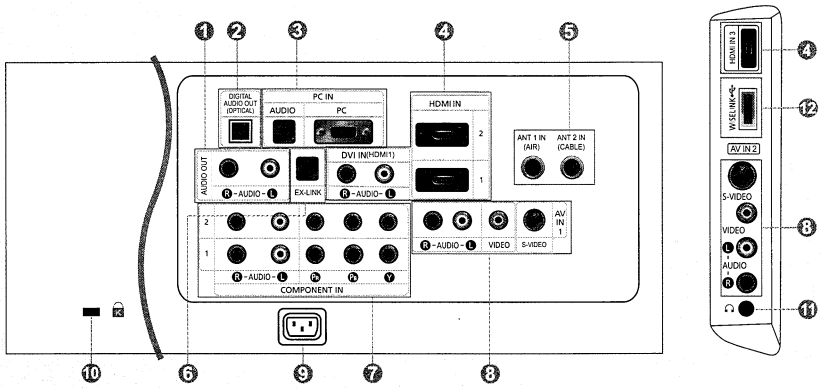
Samsung Electronics America, Inc.
105 Challenger Road Ridgefield Park, NJ 07660-0511

Samsung Electronics Canada Inc., Customer Service
55 Standish Court Mississauga, Ontario L5R 4B2

Call center hours of operation (Mon-Sun 9AM-12AM EST).
Web support address (samsung.com/support).

For details about using the on-screen menu system, refer to "Owner's Instructions".

Rear Panel / Side Panel Jacks



1. **AUDIO OUT**
2. **DIGITAL AUDIO OUT (OPTICAL)**
3. **PC IN**
4. **HDMI IN 1,2,3 /DVI IN(HDMI1) (AUDIO R/L)**
5. **ANT 1 IN (AIR)/ ANT 2 IN (CABLE)**
6. **EX-LINK**
7. **COMPONENT IN 1,2**
8. **AV IN 1 / AV IN 2**
9. **POWER INPUT**
10. **KENSINGTON LOCK**
11. **HEADPHONE**
12. **WISELINK**

Video Input Performance Comparison

/	HDMI/DVI	Best
/	PC/COMPONENT	Better
	S-VIDEO	Good
	VIDEO	Normal

Audio Output Performance Comparison

	OPTICAL (Digital)	Best
	AUDIO (Analog)	Normal

Printed in Mexico
BN68-01179A

Remote Control Buttons

See "Remote Control" in the owner's instructions for details.

① POWER
Turns the TV on and off.

② NUMERIC BUTTONS
Press to change the channel.

③ –
Press to select additional channels(digital and analog) being broadcast by the same station. For example, to select channel "54-3", press "54", then press "–" and "3".

④ CH LIST
Used to display Channel Lists on the screen.

⑤ ANTENNA
Press to select "AIR" or "CABLE".

⑥ VCR/DVD Functions
- Rewind
- Stop
- Play/Pause
- Fast/Forward

⑦ VOL⊕ / VOL⊖
Press to increase or decrease the volume.

⑧ (MUTE)
Press to temporarily cut off the sound.

⑨ MENU
Displays the main on-screen menu.

⑩ S.MODE
Press to select the sound mode.

⑪ RETURN
Returns to the previous menu.

⑫ P.MODE
Press to select the picture mode.

⑬ CAPTION
Controls the caption decoder.

⑭ FAV.CH
Press to switch to your favorite channels.

⑮ SLEEP
Press to select a preset time interval for automatic Shut off.

⑯ SRS
Selects SRS TruSurround XT mode.

⑰ SET
Sets the remote to control your TV, VCR, Cable, DVD, or Set-Top Box

⑱ TV, DVD, STB, CABLE, VCR
Press to operate your TV,DVD, STB, CABLE (box), or VCR
(See pages 17-21)

⑲ When pressing this button, a number of buttons on the remote control (e.g. TV, DVD, STB, CABLE, VCR VOL and CH buttons) light up for a few seconds and then turn off to save power. This function is convenient for using the remote at night or when dark.

⑳ SOURCE
Press to display all of the available video sources.

㉑ PRE-CH
Tunes to the previous channel.

㉒ WISELINK
This function enables you to view and play photo (JPEG) and audio files (MP3) from an external device.
(Refer to page 69)

㉓ REC
Records for Live Broadcasting

㉔ CH⊙ / CH⊙
Press to change channels.

㉕ EXIT
Press to exit the menu.

㉖ UP▲ / DOWN▼ / LEFT◄ / RIGHT► / ENTER
Use to select on-screen menu items and change menu values.

㉗ INFO
Press to display information on the TV screen.

㉘ Antnet+
Runs the Anynet view functions and sets up Anynet devices.

㉙ STILL
Press to stop the action during a particular scene.
Press again to resume normal video.

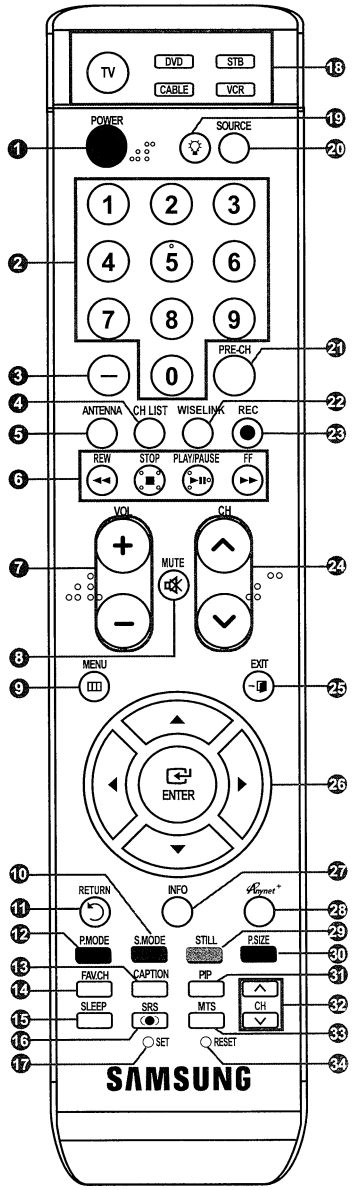
㉚ P.SIZE
Picture size selection.

㉛ PIP
Picture-in Picture ON/OFF.

㉜ CH ∧ / ∨
Displays the available channels in sequence. (These buttons change channels in the PIP window only.)

㉝ MTS
Press to choose stereo, mono or Separate Audio Program (SAP broadcast).

㉞ RESET
When your remote does not work, change the batteries and press the RESET button for 2-3 seconds before use.



Remote Control Codes

VCR

Brand	Code
SAMSUNG	000 001 002 003 004 005 077 078 079
ADMIRAL	020
AIWA	025
AKAI	004 027 032
AUDIO DYNAMICS	007 026
BELL&HOWELL	018
BROKSONIC	022
CANDLE	002 003 006 008 015 055
CANON	021 056
CITIZEN	002 003 006 008 015 055
COLORTYME	007
CRAIG	002 024
CURTIS MATHES	002 007 008 017 021 025 056 064 066
DAEWOO	003 010 011 012 013 014 015 016
DB	007 026
DIMENSIA	017
DYNATECH	025
ELECTROHOME	034
EMERSON	001 003 006 021 022 025 030 032 034 040 047 050 052 060 063 065 066 067 069 073
FISHER	018 024 028 029 048 051 061
FUNAI	025
GENERAL ELECTRIC	002 005 017 021 056
GO VIDEO	002
HARMAN KARDON	007
HITACHI	019 025 041 042 074
INSTANT REPLAY	021
JC PENNEY	002 007 018 019 021 026 037 041 054 056
JCL	007 008 018 021 026 037
JVC	081 082 083
KENWOOD	007 008 018 021 026 037
KLH	070
KONIA	036
LG(Goldstar)	006 007 008 009 010
LIOYD	025
LOGIK	038
LXI	025
MAGNAVOX	021 056 059
MARANTZ	007 008 018 021 026 037 062
MARTA	006
MEI	021
MEMOREX	006 021 024 025
MGA	034
MIDLAND	005
MINOLTA	019 041 075
MITSUBISHI	019 034 041 046

Brand	Code
MONTGOMERY WARD	020
MTC	002 025
MULTITECH	002 005 025 038
NEC	007 008 018 026 037 062 064
OPTIMUS	020
ORION	073 074 075 076
PANASONIC	021 056 071 072
PENTAX	019 041 075
PENTEX RESEARCH+	008
PHILCO	021 056 059
PHILIPS	021 080
PIONEER	019 026 039 053
PORTLAND	015 049 055
PROSCAN	017
QUARTZ	018
QUASAR	021 056
RADIO SHACK/ REALISTIC	006 018 020 021 024 025 029 034 048 056
RCA	002 017 019 021 035 041 043 057 068 076
SANSUI	026
SANYO	018 024
SCOTT	003 047 052 067
SEARS	006 018 019 024 028 029 041 048 051
SHARP	020 034 045 015
SHIMTOM	027 033 038 058
SIGNATURE	025
SONY	027 033 044
SYLVANIA	021 025 056 059
SYMPHONIC	025
TANDY	018 025
TASHIKA	006
TATUNG	037
TEAC	025 037 068
TECHNICS	021
TEKNIKA	006 021 025 031
TMK	066
TOSHIBA	003 019 029 051 052
TOTEVISION	002 006
UNITECH	002
VECTOR RESEARCH	007 026
VICTOR	026
VIDEO CONCEPTS	007 026
VIDEOSONIC	002
WARDS	002 003 006 019 020 021 024 025 034 038 041
YAMAHA	007 008 018 026 037
ZENITH	023 027 033

CABLE BOX

Brand	Code
SAMSUNG	000 001 002 003 004 005 006 007
GI	041
HAMLIN	003 024 031
HITACHI	025 030
JERROLD	038 039
MACOM	025 030
MAGNAVOX	019 023 028
OAK	026
PANASONIC	003 022 027 037 044
PHILIPS	019 021 023 028
PIONEER	004 018 020 044
RCA	014 022 040
REGAL	003
REGENCY	015 023
SA	042 043
SCIENTIFIC ATLAN	042 043
SPRUCER	022
STARGATE 2000	036
SYLVANIA	016
TEXSCAN	016
TOCOM	032
UNIVERSAL	033 034
VIEWSTAR	019 021 023 028
WARNER AMEX	046
ZENITH	017 029 035 037 045

SAMSUNG DVD

Product	Code
DVD	000 001 002
DVDR	003 004
BD Record	005 006
VCR COMBO	007 008 009 010 011
VCR Record	012
DHR COMBO	013
Home Theater VCR COMBO	014 015 016
HDD Recorder COMBO	017
TWIN TRAY COMBO	018
STB DVD COMBO	019
DVD Receiver	020
AV Receiver	021

DVD

Brand	Code
ANAM	030
AUDIOVOX	075
AUDIOLOGIC	085
ANABA	072
APEX DIGITAL	070 071 074 086 083 084 088 111 112
AIWA	114
BROKSONIC	062
BLAUPUNKT	074
B&K	122 123
CURTIS MATHES	027
CYBER HOME	077 078 079 082
CLARION	080 125
CIRRUS	081
CYBER HOME	065
CINEVISION	095
DAEWOO	066
DENON	146
FARENHEIT	067 068
FISHER	090
GPX	060
GO VIDEO	061 089 133 135
GE	069 074
GREENHILL	074
HITACHI	064 113
HITEKER	071
HOYO	073
HARMAN / KARDON	091 110
IRT	089
INTEGRA	092
JBL	091
JVC	022 033 115 116
JATON	073
KENWOOD	051 108 109
KISS	073
KONKA	059 100 106 107
KLH	074 075
LG(Goldstar)	025 031
LOEWE	057
LASONIC	058
MOBILE AUTHORITY	054
MEMOREX	055
MALATA	056
MAGNAVOX	076 093
MINTEK	074 094
MONYKA	073
NORCENT	048 049 050
NEXT BASE	052
NEC	053
NANTAUS	144
NESA	074
OPTOMEDIA ELECTRONICS	105
OPTIVIEW	072
ONKYO	076 092 119
PHILCO	044 045
PRINCETON	046 047
PROSCAN	023

DVD

Brand	Code
PANASONIC	024 034 124 134 136 137 138
PHILIPS	036 076
ROTEL	117 118
RIO	120
RCA	023 035 074 075 131 132
RAITE	073
ROWA	038
SAMPO	104
SONY	026 029 126 127 128 129 130 141
SHERWOOD	039 041
SVA	042
SYLVANIA	043 093
SHARP	140
SANSUI	062
SANYO	062 090
SHINSONIC	094

Brand	Code
THOMSON	145
TOSHIBA	028 062 076
TECHNICS	139
TVIEW	072
TOKAI	073
TEAC	096
TECHWOOD	097
TREDEX	098 099 101
URBAN CONCEPTS	076
VENTURER	075
VOCOPRO	102
YAMAHA	032 063
YAMAKAWA	040 073
XWAVE	103
ZENITH	076 121

SAMSUNG SET-TOP BOX

Product	Code
Ground wave STB	001 002
Satellite STB	003
CABLE STB	004
STB DVD COMBO	008
Satellite STB HDD COMBO Standard	009

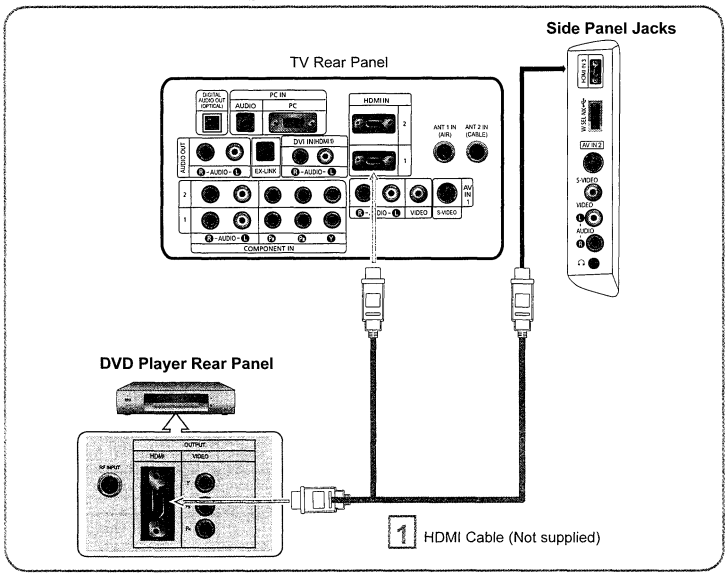
Product	Code
Satellite STB HDD COMBO Premium	010
CABLE STB HDD COMBO Standard	011
CABLE STB HDD COMBO Premium	012
Ground wave STB HDD COMBO Standard	013
Ground wave STB HDD COMBO Premium	014

SET-TOP BOX

Brand	Code
ALPHASTAR	023
ANAM	043
CHANNEL MASTER	018 034
CROSSDIGITAL	019
CHAPARRAL	035
DIRECT TV	015 016 017 019 022 045 060 061 062 065 066 067 068
DAEWOO	074
DISH NETWORK SYSTEM	069 070
DISHPRO	069
DRAKE	018 024 032
DX ANTENNA	027
ECHOSTAR	025 069 070 071
EXPRESSVU	069
GOI	069
GE	065
GENERAL INSTRUMENT	046 047 048 063 064
HTS	069
HOME CABLE	056
HITACHI	022
HUGHES NETWORK	015 017
IQ	020
IQ PRISM	020
JANEIL	059
JERROID	063
JVC	069 070
LG(Goldstar)	044 073

Brand	Code
MAGNAVOX	016 021 036 038 039 040 041 042
MEMOREX	016
MOTOROLA	064
MACOM	018
MITSUBISHI	015
NEXT LEVEL	047 048 064
PHILIPS	015 016 017 021 033 036 038 039 040 041 042 067
PRIMESTAR	046 049 050 063
PANASONIC	058 059 061 062
PAYSAT	016
PROSCAN	065 066
RCA	051 052 053 065 066
RADIOSHACK	064
REALISTIC	057
STAR TRAK	026
STS	020 027
SKY	031
SKY LIFE	005 006 007
SHACK	064
STAR CHOICE	064
SONY	054 060
TOSHIBA	015 017 028 029 030 072
ULTIMATE TV	060 066
UNIDEN	016 021 037 055 056 057
ZENITH	024 031 068

Connecting a DVD Player/Set-Top Box via HDMI

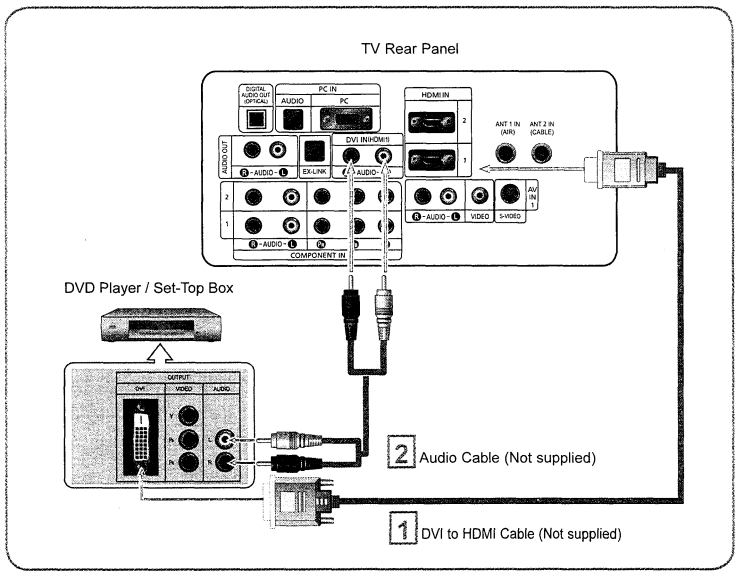


1 Connect an HDMI Cable between the HDMI IN (1,2 or 3) connector on the TV and the HDMI connectoron the DVD player/Set-Top Box.

What is HDMI?

- HDMI(High-Definition Multimedia Interface), is an interface that enables the transmission of digital audio and video signals using a single cable
- The difference between HDMI and DVI is that the HDMI device is smaller in size, has the HDCP (High Bandwidth Digital Copy Protection) coding feature installed

Connecting a DVD Player/Set-Top Box via DVI

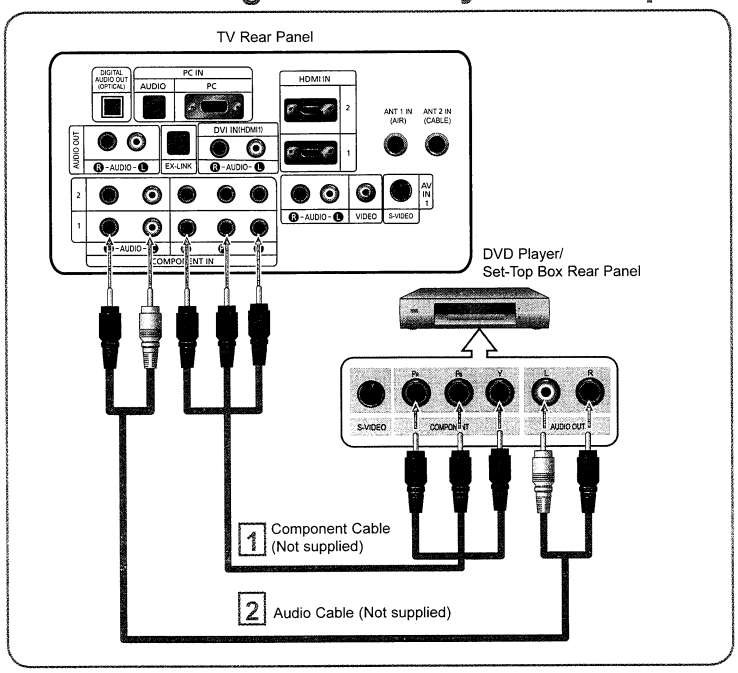


1 Connect a DVI to HDMI Cable or DVI-HDMI Adapter between the HDMI IN 1 connector on the TV and the DVI connector on the DVD player/Set-Top Box.

2 Connect Audio Cables between the DVI IN (HDMI 1) [R-AUDIO-L] jack on the TV and the AUDIO OUT jacks on the DVD player/Set-Top Box.

- Each DVD player/STB has a different back panel configuration.
- When connecting a DVD player/STB, match the color of the connection terminal to the cable.
- When using an HDMI/DVI cable connection,you must use the HDMI IN1 terminal.

Connecting a DVD Player/Set-Top Box

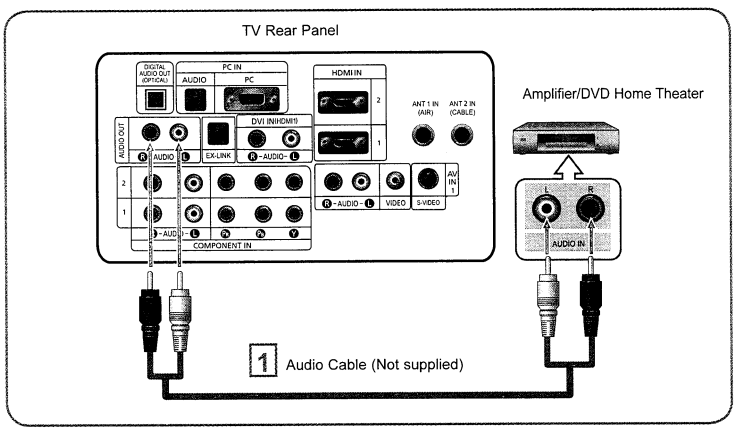


1 Connect a Component Cable between the COMPONENT IN(1 or 2) [Y, P_B, P_R] jacks on the TV and the COMPONENT [Y, P_B, P_R] jacks on the DVD/Set-Top Box

2 Connect Audio Cables between the COMPONENT IN(1 or 2) [R-AUDIO-L] jacks on the TV and the AUDIO OUT jacks on the DVD/Set-Top Box

- Component video separates the video into Y (Luminance (brightness)), Pb (Blue) and Pr (Red) for enhanced video quality.
  Be sure to match the component video and audio connections.
  For example, if connecting the video cable to COMPONENT IN, connect the audio cable to COMPONENT IN also.
- Each DVD Player/STB has a different back panel configuration.
- When connecting a DVD player/STB, match the color of the connection terminal to the cable.

Connecting an Amplifier/DVD Home Theater

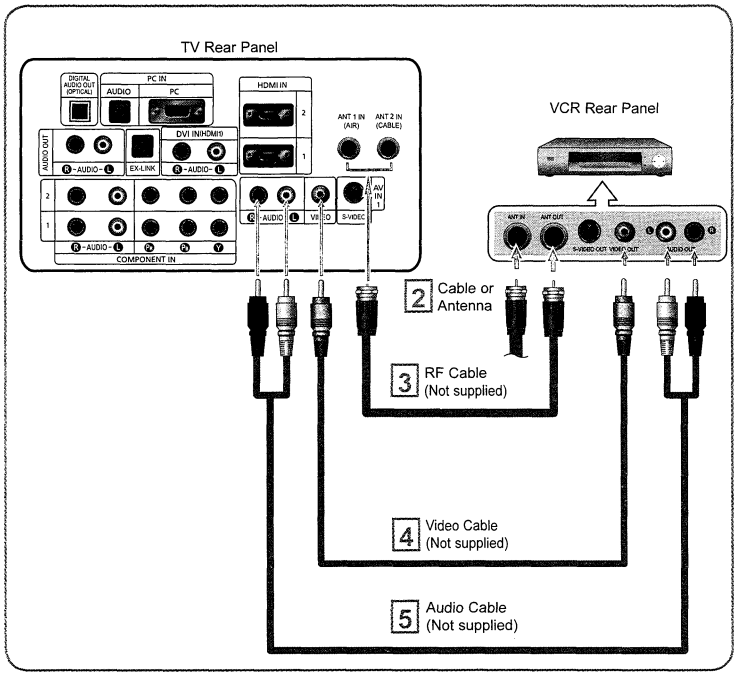


1 Connect Audio Cables between the AUDIO OUT [R-AUDIO-L] on the TV and AUDIO IN [R-AUDIO-L] on the Amplifier/DVD Home Theater. When an audio amplifier is connected to the "AUDIO OUT [L-AUDIO-R]" terminals: Decrease the volume of the TV, and adjust the volume level with the Amplifier's volume control.

- Each Amplifier/DVD Home Theater has a different back panel configuration.
- When connecting an Amplifier/DVD Home Theater, match the color of the connection terminal to the cable.

Connecting a VCR

Video Connection


TV Rear Panel
VCR Rear Panel
2 Cable or Antenna
3 RF Cable (Not supplied)
4 Video Cable (Not supplied)
5 Audio Cable (Not supplied)

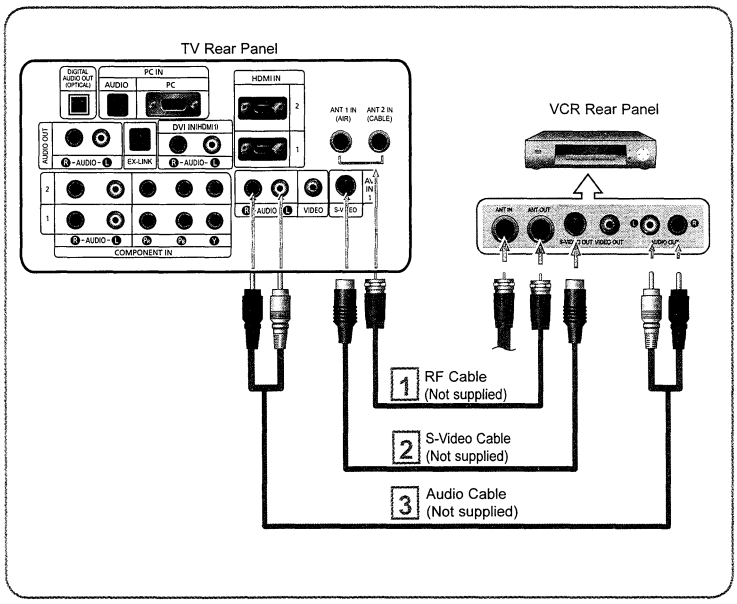
1. Unplug the cable or antenna from the back of the TV.
2. Connect the cable or antenna to the ANT IN terminal on the back of the VCR.
3. Connect an RF Cable between the ANT OUT terminal on the VCR and the ANT 1 IN (AIR) or ANT 2 IN (CABLE) terminal on the TV.
4. Connect a Video Cable between the VIDEO OUT jack on the VCR and the AV IN 1(or AV IN 2) [VIDEO] jack on the TV.
5. Connect Audio Cables between the AUDIO OUT jacks on the VCR and the AV IN 1 (or AV IN 2) [R-AUDIO-L] jacks on the TV.

- If you have a "mono" (non-stereo) VCR, use a Y-connector (not supplied) to hook up to the right and left audio input jacks of the TV. If your VCR is stereo, you must connect two cables.

Follow the instructions in "Viewing a VCR or Camcorder Tape" to view your VCR tape.

- Each VCR has a different back panel configuration.
- When connecting a VCR, match the color of the connection terminal to the cable.

S-Video Connection

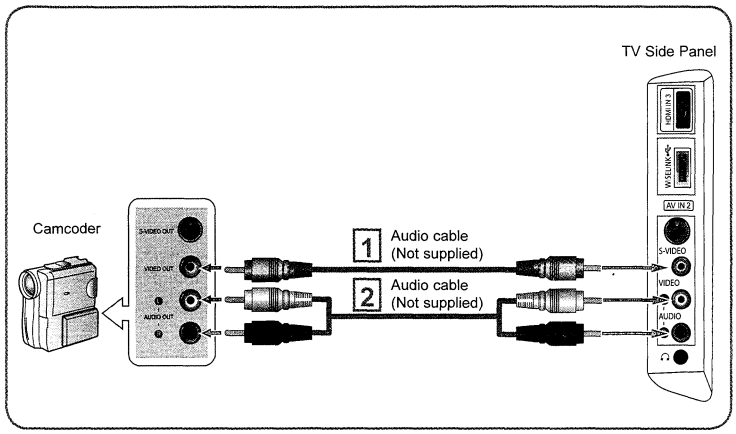


1. To begin, follow steps 1–3 in the previous section to connect the antenna or cable to your VCR and your TV.
2. Connect an S-Video Cable between the S-VIDEO OUT jack on the VCR and the AV IN1 [S-VIDEO] jack on the TV.
3. Connect Audio Cables between the AUDIO OUT jacks on the VCR and the AV IN1 [R-AUDIO-L] jacks on the TV.

An S-Video cable may be included with a VCR. (If not, check your local electronics store.)

- Each VCR has a different back panel configuration.
- When connecting a VCR, match the color of the connection terminal to the cable.

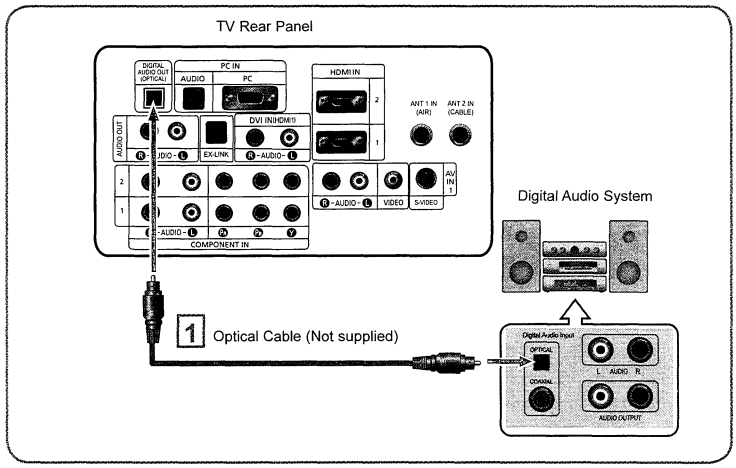
Connecting a Camcorder



1. Connect a Video Cable between the AV IN2 [VIDEO] jack on the TV and the VIDEO OUT jack on the camcorder.
2. Connect Audio Cables between the AV IN2 [R-AUDIO-L] jacks on the TV and the AUDIO OUT jacks on the camcorder.

- Each Camcorder has a different back panel configuration.
- When connecting a Camcorder, match the color of the connection terminal to the cable.

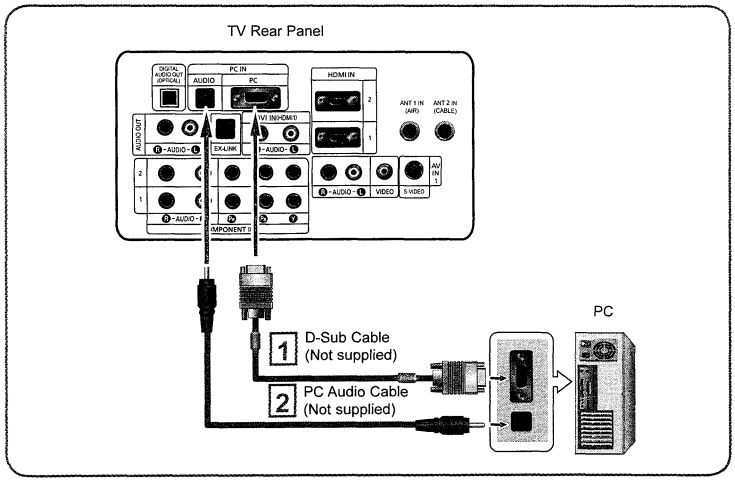
Connecting a Digital Audio System



1. Connect an Optical Cable between the "DIGITAL AUDIO OUT (OPTICAL)" jacks on the TV and the Digital Audio Input jacks on the Digital Audio System. When a Digital Audio System is connected to the "DIGITAL AUDIO OUT (OPTICAL)" terminal: Decrease the volume of the TV, and adjust the volume level with the system's volume control.

- 5.1CH audio is possible when the TV is connected to an external device supporting 5.1CH.
- Each Digital Audio System has a different back panel configuration.

Connecting a PC



1. Connect a D-Sub Cable between PC IN [PC] connector on the TV and the PC output connector on your computer.
2. Connect a PC Audio Cable between PC IN [AUDIO] jack on the TV and the Audio Out jack of the sound card on your computer.

- Each PC has a different back panel configuration.
- When connecting a PC, match the color of the connection terminal to the cable.
- When using an HDMI/DVI cable connection,you must use the HDMI IN1 terminal.

Turning the TV On and Off

Press the POWER ⏻ button on the remote control.
You can also use the ⏻ button on the front of the panel.

Viewing the Menus

1. With the power on, press the **MENU** button.
The main menu appears on the screen. The menu' s left side has five icons:
Picture, Sound, Channel, Setup, Input.

   The on-screen menus disappear from the screen after about one minutes.

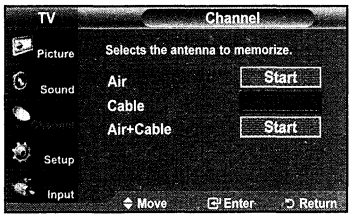
2. Use the ▲ or ▼ buttons to select one of the five icons.
Then press the **ENTER** button to access the icon's sub-menu.
Press the **EXIT** button to exit.

Storing Channels in Memory (Automatic Method)

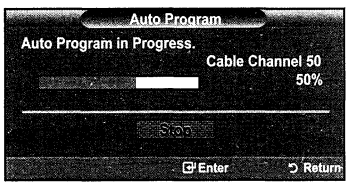
1. Press the **MENU** button to display the menu.
Press the ▲ or ▼ buttons to select "Channel", then press the **ENTER** button.

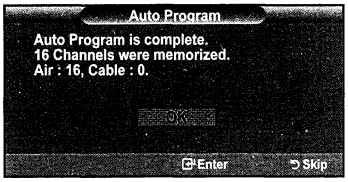
2. Press the ▲ or ▼ buttons to select "Auto Program", then press the **ENTER** button.

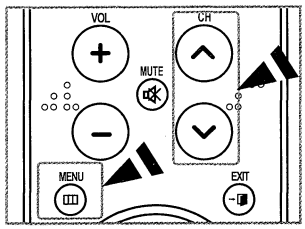
3. Press the ▲ or ▼ buttons to select the antenna connection, then press the **ENTER** button.



4. After all the available channels are stored, the "Auto Program" menu reappears.
Press the **EXIT** button to exit.







To Stop the Auto Program Function

Press the **MENU** button while the Auto Program function is being executed. You can also press the **ENTER** button to stop the setup.

Checking to see if Channels were Stored in Memory

Press the **CH** button. Only the channels stored in memory will be selected (in order).

Selecting the antennas

- Air: "Air" antenna signal.
- Cable: "Cable" antenna signal.
- Air+Cable: "Air" and "Cable" antenna signals.

Setting the Channel List

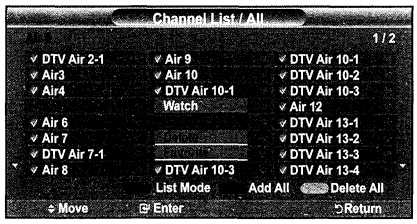
You can add or delete a channel so only channels you want are displayed.

1. Press the **MENU** button to display the menu.
Press the ▲ or ▼ buttons to select "Channel", then press the **ENTER** button.

2. Press the ▲ or ▼ buttons to select "Channel List", then press the **ENTER** button.

3. Press the **ENTER** button to select "All".

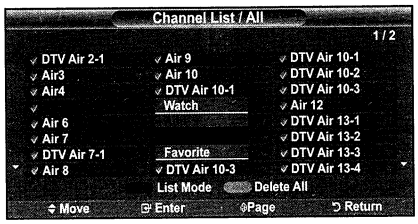
4. Press the ▲ or ▼ buttons to select a channel to add, then press the **ENTER** button.
Press the ▲ or ▼ buttons to select "Add", then press the **ENTER** button to add the channel.
The ✓ mark will appear and the channel will be added.
Press the **EXIT** button to exit.



5 Press the ▲ or ▼ buttons to select a channel to delete, then press the **ENTER** button.

Press the ▲ or ▼ buttons to select "Delete", then press the **ENTER** button to delete the channel.

The ✓ mark will disappear.

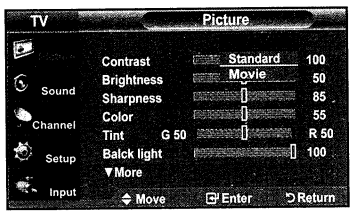


Using Automatic Picture Settings

Your TV has Three automatic picture settings ("Dynamic", "Standard", "Movie") that are preset at the factory. You can activate either Dynamic, Standard, Movie by making a selection from the menu.

1 Press the **MENU** button to display the menu. Press the **ENTER** button, to select "Picture".

2 Press the **ENTER** button to select "Mode". Press the ▲ or ▼ buttons to select the "Dynamic", "Standard", "Movie" picture setting. Press the **ENTER** button.



Picture Mode

- Choose **Dynamic** to increase the clarity and sharpness of the picture.
- Choose **Standard** for the standard factory settings.
- Choose **Movie** for a natural Image without picture enhancements.

Customizing the Picture

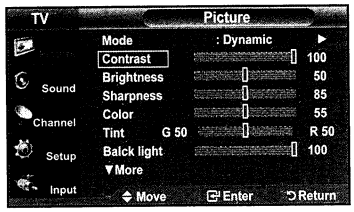
You can use the on-screen menus to change the contrast, brightness, sharpness, color, and tint according to personal preference.

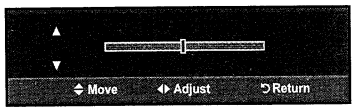
1 Press the **MENU** button to display the menu. Press the **ENTER** button, to select "Picture".

2 Press the **ENTER** button to select "Mode" Press the ▲ or ▼ buttons to select desired picture mode, then press the **ENTER** button.

3 Press the ◄ or ► buttons to decrease or increase the value of a particular item. For example, if you select "Contrast", pressing the ► button increases it. Press the **EXIT** button to exit.

When in PC mode, Tint, Sharpness, and Color are not available.

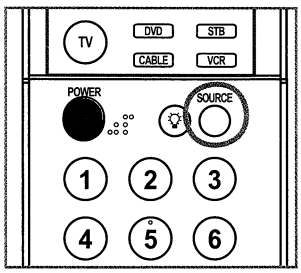


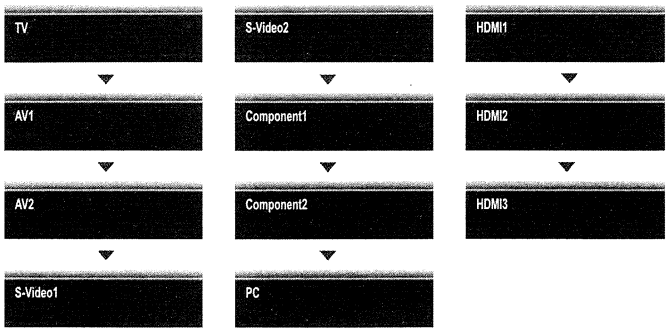


Picture Adjustment

- Contrast : Adjusts the lightness and darkness between objects and the background.
- Brightness : Adjusts the brightness of the whole screen.
- Sharpness : Adjusts the outline of objects to either sharpen them or make them more dull.
- Color : Adjusts the colors, making them lighter or darker.
- Tint : Adjusts the color of objects, making them more red or green for a more natural look.

To Select the Source





Press the SOURCE button on the remote control

You can select the TV mode or an input source (TV, AV1, AV2, S-Video1, S-Video2, Component1, Component2, PC, HDMI1, HDMI2, HDMI3) connected to the TV set. Use this button to choose an input source that you would like to watch.

You can only select a source if it is connected to your TV.

Troubleshooting

If the TV seems to have a problem, first try this list of possible problems and solutions.
If none of these troubleshooting tips apply, call your nearest Samsung service center.

Problem	Possible Solution
Poor picture	Try another channel. / Adjust the antenna. / Check all wire connections.
Poor sound quality.	Try another channel. / Adjust the antenna.
No picture or sound.	Try another channel. Press the SOURCE button. Make sure the TV is plugged in. Check the antenna connections.
No sound or sound is too low at maximum volume.	First, check the volume of units connected to your TV (Digital broadcasting receiver, DVD, Cable broadcasting receiver, VCR, etc.). Then, adjust the TV volume accordingly. Check if "Internal Mute" is off.
The TV operates erratically.	Unplug the TV for 30 seconds, then try operating it again.
Remote control malfunctions	Replace the remote control batteries. Clean the upper edge of the remote control (transmission window). Check the battery terminals.
The image is too light or too dark.	Adjust the Brightness and Contrast. Adjust the Fine tuning.
Vertical and Horizontal bars appear to flicker, jitter or shimmer on the image.	Adjust the Coarse tuning and then adjust the Fine tuning.
Screen is black and power indicator light blinks steadily.	On your computer check: Power, Signal Cable. The TV is using its power management system. Move the computer's mouse or press any key on the keyboard.
Image is not centered on the screen.	Adjust the horizontal and vertical position. The screen position must be adjusted on the output source (i.e. STB) with a digital signal.

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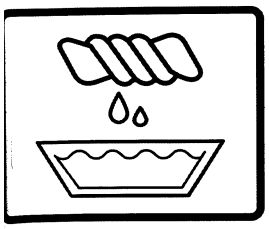


⚠ 청소 전 전용 천의 먼지를 충분히 털어주세요.

전면 캐비넷 청소시 반드시 **전용 천** 또는 이와 유사한 세척용 천을 물에 적셔 사용하시고 사용 후 물기를 닦아주세요.

⚠ Make sure to brush off the dirt on the provided cloth before cleaning the cabinet.

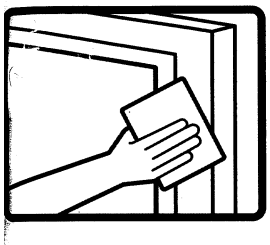
Make sure to soak the **provided cloth** or other cloth for this purpose in water before cleaning the front cabinet and to dry it after cleaning.

⚠ Veillez à bien dépoussiérer le chiffon qui vous est fourni avant de nettoyer le caisson.

Veillez à faire tremper le **chiffon fourni** (ou un autre chiffon adapté à cet usage) dans l'eau avant de nettoyer le caisson frontal, et à bien le laisser sécher après le nettoyage.

⚠ Bürsten Sie das mitgelieferte Tuch vor dem Reinigen des Gehäuses ab.

Befeuchten Sie das **mitgelieferte Tuch** oder ein anderes Reinigungstuch vor dem Reinigen der Gehäusevorderseite, und trocknen Sie es nach Abschluss des Reinigungsvorgangs.



⚠ Elimine la suciedad del paño suministrado antes de limpiar la caja.

Empape el **paño suministrado** o cualquier otro en agua, antes de limpiar la parte frontal de la caja y séquelo después de la limpieza.

⚠ Sacuda o pó do pano fornecido antes de limpar a caixa do aparelho.

Humedeça o **pano fornecido** ou qualquer outro pano antes de limpar a parte da frente do aparelho e não se esqueça de secá-lo depois da limpeza.

⚠ Prima di pulire il telaio, assicurarsi che il panno fornito per la pulizia sia pulito.

Sciacquare in acqua il **panno fornito** per la pulizia o qualsiasi altro panno adatto per l'uso prima di pulire il telaio anteriore e asciugarlo subito dopo.

⚠ Перед очисткой корпуса, сотрите с него пыль с помощью прилагаемой ткани.

Перед очисткой передней части корпуса намочите прилагаемую **ткань**, а после очистки просушите ее.

⚠ Przed przystąpieniem do czyszczenia obudowy należy strzepać brud ze specjalnej szmatki.

Przed przystąpieniem do czyszczenia przodu obudowy należy **specjalną szmatkę** lub inną szmatkę służącą do tego celu zamoczyć w wodzie, a po czyszczeniu dokladnie ją wysuszyć.

SAMSUNG

Warning! Important Safety Instructions

(Please read the appropriate section that corresponds to the marking on your Samsung product before attempting to install the product.)

CAUTION

RISK OF ELECTRIC SHOCK DO NOT OPEN

CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). THERE ARE NO USER SERVICEABLE PARTS INSIDE. REFER ALL SERVICING TO QUALIFIED PERSONNEL.

This symbol indicates that high voltage is present inside. It is dangerous to make any kind of contact with any internal part of this product.

This symbol alerts you that important literature concerning operation and maintenance has been included with this product.

- The slots and openings in the cabinet and in the back or bottom are provided for necessary ventilation. To ensure reliable operation of this apparatus, and to protect it from overheating, these slots and openings must never be blocked or covered.
  - Do not cover the slots and openings with a cloth or other materials.
  - Do not block the slots and openings by placing this apparatus on a bed, sofa, rug or other similar surface.
  - Do not place this apparatus in a confined space, such as a bookcase, or built-in cabinet, unless proper ventilation is provided.
- Do not place this apparatus near or over a radiator or heat register, or where it is exposed to direct sunlight.
- Do not place sources of heat on this apparatus, such as a candles, ash trays, incense or other similar items.
- Do not place a water containing vessel on this apparatus, as this can result in a risk of fire or electric shock.
- Do not expose this apparatus to rain or place it near water(near a bathtub, washbowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool etc.).
  If this appratus accidentally gets wet, unplug it and contact an authorized dealer immediately.
  You can clean this apparatus with damp cloth when necessary, but be sure to unplug the apparatus first.
- Do not expose this apparatus to extreme temperature conditions or to extreme humidity conditions.
- This appratus use batteries. In your community there might be regulations that require you to dispose of these batteries properly under environmental considerations. Please contact your local authorities for disposal or recycling information.
- To cut off the power source, unplug this apparatus from the wall outlet.
- Do not overload wall outlets, extension cords or adaptors beyond their capacity, since this can result in fire or electric shock.
- Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plug end, adaptors and the point where they exit from the appliance.
- To protect this apparatus from a lightning storm, or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system.
  This will prevent damage to the set due to lightning and power line surges.
- Before connecting the AC power cord to the DC adapter outlet, make sure the voltage designation of the DC adaptor corrsponds to the local electrical supply.
- Never insert anything metallic into the open parts of this apparatus. Doing so many create a danger of electric shock.
- To avoid electric shock, never touch the inside of this apparatus. Only a qualified technician should open this apparatus.
- Be sure to hold the plug, not the cord, when disconnecting this apparatus from an electric socket.
- Locate this apparatus near an easily accessible AC outlet.
- If this appratus does not operate normally - in particular, if there are any unusual sounds or smells coming from it - unplug it immediately and contact an authorized dealer or service center.
- Unplug this apparatus from the AC outlet before any service.
- Be sure to pull the power plug out of the outlet if the TV is to remain unused or if you are to leave the house for an extended period of time (especially when children, elderly or disabled people will be left alone in the house).
  - Accumulated dust can cause an electric shock, an electric leakage or a fire by causing the power cord to generate sparks and heat or the insulation to deteriorate.
- Be sure to contact an authorized service center, when installing your set in a location with heavy dust, high or low temperatures, high humidity, chemical substances and where it operates for 24 hours such as the airport, the train station etc. Failure to do so may cause serious damage to your set.
- When installing the product, make sure to keep it away from the wall (more than 10cm/4inch) for ventilation purposes.

Avertissement!
Consignes de sécurité importantes

(Avant toute installation de votre prod uit Samsung,
veuillez lire les sections correspondant aux inscriptions qui figurent sur ce de rnier.)

ATTENTION

RISQUE D'ELECTROCUTION NE PAS OUVRIR

ATTENTION : POUR REDUIRE LES RISQUES D'ELECTROCUTION, NE RETIREZ PAS LE CAPOT (NI LE PANNEAU ARRIERE). A L'INTERIEUR DE L'APPAREIL, AUCUNE PIECE NE PEUT ETRE REPAREE PAR L'UTILISATEUR. POUR TOUT DEPANNAGE, ADRESSEZ-VOUS A UN SPECIALISTE.

Ce symbole indique qu'une tension élevée est présente à l'intérieur de l'appareil. Tout contact avec une pièce située à l'intérieur de cet appareil est dangereux.

Ce symbole vous prévient qu'une documentation importante relative au fonctionnement et à l'entretien est fournie avec le produit.

- Les fentes et les ouvertures ménagées dans le boîtier ainsi qu'à l'arrière et au-dessous de l'appareil assurent la ventilation de ce dernier.
  Afin de garantir le bon fonctionnement de l'appareil et éviter les risques de surchauffe, ces fentes et ouvertures ne doivent être ni obstruées ni couvertes.
  - Ne couvrez pas les fentes et les ouvertures avec un morceau de tissu ou tout autre objet.
  - Ne les obstruez pas non plus en plaçant l'appareil sur un lit, un canapé, un tapis ou toute autre surface apparentée.
  - Ne placez pas l'appareil dans un environnement clos tel qu'une bibliothèque ou une armoire encastrée, sauf si une ventilation adéquate est prévue.
- Ne placez pas l'appareil à proximité ou au-dessus d'un radiateur ou d'une bouche d'air chaud, de même que dans un endroit exposé à la lumière directe du soleil.
- Ne placez pas de sources de chaleur sur l'appareil, telles qu'une bougie, un cendrier, de l'encens.
- Ne placez aucun récipient d'eau sur l'appareil car cela représente un risque d'incendie ou de décharge électrique.
- N'exposez pas l'appareil à la pluie et ne le placez pas à proximité d'une source d'eau, par exemple une baignoire, un lavabo, un évier, un bac de lavage, un sous-sol humide, une piscine, etc. Si l'app areil vient à être mouillé par accident, débranchez-le et contactez immédiatement un revendeur agréé.
  Si nécessaire, après vous être assuré de l'avoir débranché, vous pouvez nettoyer l'appareil à l'aide d'un chiffon humide.
- N'exposez pas l'appareil à des conditions de température ou d'humidité extrêmes.
- Cet appareil peut fonctionner sur piles. Dans un souci de préservation de l'environnement, la réglementation locale prévoit peut-être des mesures spécifiques de récupération des piles usagées.Veuillez donc contacter les autorités compétentes afin d'obtenir des informations sur la mise au rebut ou le recyclage des piles.
- Pour couper l'alimentation, déb ranchez l'appareil de la prise murale.
- Evitez de surcharger les prises murales, les rallonges et les prises mult iples car cela entraîne un risque d'incendie ou de décharge électrique.
- Les cordons d'alimentation doivent être déroulés de sorte qu'aucun objet placé sur ou contre eux ne les chevauche ou les pince.
  Accordez une attention particulière aux cordons au niveau des fiches, des prises et de la sortie de l'appareil.
- En cas d'orage, ou bien lorsque vous vous absentez ou n'utilisez pas votre appareil pendant une longue période, débranchez celui-ci de la prise murale et débranchez également le câble d'antenne ou le cordon de connexion au réseau câblé. Ces précautions éviteront que l'appareil ne soit endommagé par la foudre ou par des surtensions.
- Avant de raccorder le cordon d'alimentation CA à la prise de l'adaptateur CC, vérifiez que la tension indiquée sur ce dernier correspond bien à la tension délivrée par le réseau électrique local.
- N'insérez aucun objet métallique dans les ouvertures de l'appareil. vous risqueriez de recevoir une décharge électrique.
- Afin d'éviter tout risque d'électrocution, ne mettez jamais les doigts à l'intérieur de l'appareil.
  Seul un technicien qualifié est habilité à ouvrir le boîtier de l'appareil.
- Assurez-vous de tirer sur la fiche et non sur le cordon lorsque vous débranchez l'appareil d'une prise électrique.
- Placez l'appareil à proximité d'une prise CA facile d'accès.
- Si l'appareil ne fonction ne pas normalement, en particulier s'il émet des odeurs oudes sons anormaux, débranchez-le immédiatement et contactez un revendeur ou un centre de dépannage agréé.
- Débranchez l'appareil de la prise CA avant toute réparation.
- Veillez à bien débrancher le cordon d'alimentation si la télévision doit restée inutilisée, ou lorsque vous quittez votre domicile, pendant une période assez longue (et plus spécialement si des enfants, des personnes âgées ou des majeurs incapables doivent rester seul à votre domicile).
  - L'accumulation de poussières peut provoquer une électrocution, une perte d'énergie, ou un incendie induit par le cordon d'alimentation, dû à des variations de tension, une surchauffe ou une détérioration de l'isolation.
- Veillez à contacter un centre de services homologué lorsque vous installez votre téléviseur dans un endroit très poussiéreux, humide, exposé à des températures élevées ou faibles ou à des produits chimiques, ou s'il fonctionne sans interruption, par exemple dans les aéroports, les gares, etc.
  Si vous ne le faites pas, vous risquez d'endommager gravement votre téléviseur.
- Lors de l'installation du produit, veillez à le maintenir éloigné d'au moins 10 cm du mur afin d'assurer une bonne ventilation.

Advertencia!
Instrucciones importantes de seguridad

(Lea la sección apropiada que corresponde a la marca del producto Samsung antes de intentar instalar el producto.)

PRECAUCIÓN

PELIGRO DE DESCARGA ELÉCTRICA NO ABRIR

PRECAUCIÓN:PARA REDUCIR EL PELIGRO DE DESCARGA ELÉCTRICA, NO RETIRE LA CUBIERTA. NO HAY PIEZAS EN EL INTERIOR QUE PUEDA REPARAR EL USUARIO. CONSULTE AL PERSONAL CUALIFICADO DE SERVICIO TÉCNICO.

Este símbolo indica la presencia de alto voltaje en el interior. Es peligroso entrar en contacto con cualquier pieza interior de este producto.

Este símbolo le alerta de que con este producto se incluye documentación importante correspondiente al funcionamiento y mantenimiento.

- Las ranuras y aberturas existentes en la unidad y en la parte trasera o inferior se facilitan para proporcionar la ventilación necesaria. Para garantizar el funcionamiento fiable de este aparato, y para protegerlo frente a sobrecalentamiento, estas ranuras y aberturas nunca deben bloquearse ni cubrirse.
  - No cubra las ranuras y aberturas con un paño o con cualquier otro material.
  - No bloquee las ranuras ni aberturas colocando este aparato sobre la cama, sofá, alfombra o superficie similar.
  - No coloque este aparato en un espacio cerrado, como una librería, o un armario empotrado, a menos que se proporcione una ventilación correcta.
- No coloque este aparato cerca o sobre un radiador o una rejilla de aire caliente, o en lugares expuestos a luz solar directa.
- No coloque fuentes de calor en este aparato, como una vela, un cenicero, incienso o material similar.
- No coloque recipientes con agua sobre este aparato, ya que podría representar riesgo de incendio o descarga eléctrica.
- No exponga este aparato a la lluvia ni lo coloque cerca de agua (cerca de una bañera, lavabo, fregadero o lavadero, en un sótano húmedo ni cerca de una piscina o similar).
  Si este aparato accidentalmente se moja, desenchúfelo y póngase en contacto inmediatamente con un autorizado.
  Puede limpiar este aparato con un paño húmedo cuando sea necesario, pero asegúrese de desenchufar primero el aparato.
- exponga este aparato a condiciones de temperatura o humedad extremas.
- Este aparato utiliza baterías. En su comunidad puede que existan normativas que requieran la disposición de estas baterías de forma adecuada bajo consideraciones ambientales.
  Póngase en contacto con las autoridades locales para obtener información sobre desecho y reciclaje.
- Para cortar la fuente de alimentación, desenchufe este aparato de la toma mural.
- No sobrecargue las tomas murales, los alargadores ni los receptáculos correspondientes por encima de su capacidad, ya que esto puede generar incendios o descargas eléctricas.
- Los cables de alimentación y protección deben colocarse de forma que no puedan pisarse ni quedar atrapados por objetos encima o contra ellos, poniendo especial atención en los cables cerca del enchufe, los receptáculos de los electrodomésticos y el punto en el que salen del aparato.
- Para proteger este aparato durante una tormenta eléctrica o cuando no lo utilice durante largos periodos de tiempo, desenchúfelo de la toma de la pared y desconecte la antena o el cable del sistema. Esto evitará que el equipo se dañe por rayos o picos de tensión de la línea eléctrica.
- Antes de conectar el cable de alimentación de CA a la toma del adaptador de CC, asegúrese de que la designación del voltaje del adaptador de CC corresponde a la fuente eléctrica local.
- Nunca inserte nada metálico en las aberturas del aparato. Hacerlo así puede crear peligros de descarga eléctrica.
- Para evitar descarga eléctrica, no toque nunca el interior de este aparato. Sólo un técnico cualificado debe abrir el alojamiento del aparato.
- Asegúrese de sujetar el enchufe, no el cable, al desconectar este aparato de la toma eléctrica.
- Sitúe este aparato cerca de una toma de CA de fácil acceso.
- Si este aparato no funciona normalmente, en concreto, si emite sonidos extraños o desprende olores desde el interior, desenchúfelo inmediatamente y póngase en contacto con el distribuidor autorizado o el centro de servicio técnico.
- Desenchufe este aparato de la toma de CA antes de realizar cualquier operación de servicio.
- Asegúrese de desconectar el enchufe de alimentación de la toma de corriente si la TV ha dejado de utilizarse, o desea salir de casa, durante un largo período de tiempo (especialmente cuando sea necesario dejar solos en casa a niños, ancianos o personas incapacitadas).
  - El polvo acumulado puede provocar una descarga eléctrica, un cortocircuito o un fuego, haciendo que el cable eléctrico genere chispas y calor, o deteriorando la funda protectora.
- Póngase en contacto con un centro de servicio técnico autorizado cuando instale el aparato en un lugar expuesto a gran cantidad de polvo, temperaturas extremas, alto nivel de humedad y productos químicos, y en lugares donde se vaya a utilizar las 24 horas del día, como aeropuertos, estaciones, etc.
  El incumplimiento de estas indicaciones puede causar serios desperfectos en el aparato.
- Cuando instale el equipo, procure guardar una distancia de más de 10 cm desde la pared para facilitar la ventilación.

Aviso! Instruções de segurança importantes

(Leia a secção adequada que corresponde
à marca no produto Samsung antes de tentar instalar o produto.)

CUIDADO
RISCO DE CHOQUE ELÉCTRICO NÃO ABRIR
CUIDADO:PARA REDUZIR O RISCO DE CHOQUE ELÉCTRICO, NÃO RETIRE A TAMPA (NEM A PARTE TRASEIRA). NO INTERIOR DO TELEVISOR NÃO EXISTEM PEÇAS QUE POSSAM SER REPARADAS PELOUTILIZADOR. A ASSISTÊNCIA SÓ PODE SER EFECTUADA POR TÉCNICOS QUALIFICADOS.

Este símbolo indica a existência de alta tensão no interior do televisor. É perigoso tocar em qualquer parte no interior do produto.

Este símbolo informa-o de que este produto inclui literaturaimportante sobre o respectivo funcionamento e manutenção.

- As ranhuras e aberturas na caixa e na parte posterior ou inferior permitem a ventilação necessária. Para garantir o funcionamento correcto do aparelho e para o proteger do sobreaquecimento, nunca deve bloquear ou tapar estas ranhuras e aberturas.
  - Não tape as ranhuras e aberturas com panos ou outros materiais.
  - Não bloqueie as ranhuras e aberturas colocando o aparelho numa cama, sofá, tapete ou outra superfície semelhante.
  - Não coloque este aparelho num espaço fechado, como uma estante ou um armário embutido, a menos que tenha ventilação adequada.
- Não coloque este aparelho perto ou por cima de um radiador, sistema de aquecimento ou num local em que esteja exposto à incidência directa dos raios solares.
- Não coloque fontes de calor em cima do aparelho, como velas, cinzeiros, incensos ou outros materiais semelhantes.
- Não coloque recipientes com água em cima do aparelho, porque pode provocar um incêndio ou choque eléctrico.
- Não exponha o aparelho à chuva nem coloque em locais perto de água (perto de uma banheira, lavatório, lava-loiça, tubo da máquina de lavar a loiça, piscina ou numa cave com humidade).
  Se molhar acidentalmente o aparelho, desligue-o da ficha e contacte de imediato o revendedor autorizado.
  Quando for necessário, pode limpar o aparelho com um pano húmido, mas certifique-se de que primeiro desliga o aparelho da ficha.
- Não exponha o aparelho a condições de temperatura ou humidade extremas.
- Este aparelho tem pilhas. Deite fora as pilhas adequadamente de acordo com as considerações ambientais existentes no seu país. Contacte as autoridades locais para obter informações sobre a destruição ou reciclagem de pilhas.
- Para desligar a fonte de alimentação, retire a ficha do aparelho da tomada de parede.
- Não sobrecarregue tomadas de parede, extensões nem receptáculos, porque pode provocar um incêndio ou choque eléctrico.
- Deve colocar os cabos de alimentação de forma a não serem pisados nem entalados por objectos, tendo em especial atenção os cabos ligados a fichas, a receptáculos e ao ponto de onde os cabos saem do aparelho.
- Para proteger o aparelho de trovoadas, ou quando não for utilizá-lo durante longos períodos de tempo, desligue o aparelho da tomada de parede e desligue a antena ou o sistema de televisão por cabo.
  Deste modo, o aparelho não sofre eventuais danos provocados por raios e descargas em cabos de alta tensão.
- Antes de ligar o cabo de alimentação de CA à tomada do transformador de CC, certifique-se de que a designação de tensão do transformador de CC corresponde à alimentação eléctrica local.
- Nunca introduza objectos metálicos nas aberturas do aparelho. Se o fizer, pode provocar choques eléctricos.
- Para evitar choques eléctricos, nunca toque no interior do aparelho.
  A caixa do aparelho só deve ser aberta por técnicos qualificados.
- Quando desligar o aparelho da tomada, puxe pela ficha e não pelo cabo.
- Coloque o aparelho perto de uma tomada de CA de fácil acesso.
- Se o aparelho não funcionar normalmente - em particular, se o aparelho emitir ruídos ou cheiros invulgares – desligue o aparelho de imediato e contacte o revendedor autorizado ou centro de assistência técnica.
- Desligue o aparelho da tomada de CA antes de serem efectuados quaisquer serviços de assistência.
- Certifique-se de que retira a ficha de alimentação da tomada se o aparelho de televisão não for utilizado ou se o utilizador não estiver em casa durante um período de tempo longo (especialmente quando crianças, idosos ou pessoas com deficiências forem deixadas sozinhas em casa).
  - Poeira acumulada pode provocar um choque eléctrico, uma fuga eléctrica ou um incêndio, fazendo com que o fio de alimentação produza faíscas e aqueça ou deteriore o isolamento.
- Contacte um centro autorizado de assistência técnica quando instalar o produto em locais sujeitos a poeiras excessivas, locais sujeitos a temperaturas altas ou baixas, locais com muita humidade, locais onde se utilizem substâncias químicas e locais onde o monitor esteja a funcionar 24 horas por dia como em aeroportos, estações de comboio, etc.
  Se não o fizer, pode provocar sérios danos no produto.
- Quando instalar o produto, mantenha-o afastado da parede (mais de 10 cm) para que a ventilação se faça de forma adequada.

Regulatory Compliance Statements

Your Samsung product is marked to indicate its compliance class

- Federal Communications Commission (FCC) - USA
- Industry Canada Equipment Standard for Digital Equipment (ICES-003) - Canada
- Voluntary Control Council for Interference (VCCI) - Japan
- Bureau of Standards Metrology and Inspection (BSMI) - Taiwan
- Ministry of Information and Communication (MIC) - Republic of Korea
- Italian Post Ministry (Homologation) - Italy

FCC Class A Notice

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

NOTE:

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

FCC Class B Notice

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference, and
2. This device must accept any interference received, including interference that may cause undesired operation.

NOTE:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

-- Reorient or relocate the receiving antenna.
-- Increase the separation between the equipment and receiver.
-- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
-- Consult the dealer or an experienced radio/TV technician for help.

User Information

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. If necessary, consult with your dealer or an experienced radio/television technician for additiona suggestions. You may find the booklet called How to Identify and Resolve Radio/TV Interference Problems helpful. This booklet was prepared by the Federal Communications Commission. It is available from the U.S. Government Printing Office. Washington, DC 20402, Stock Number 004-000-00345-4.

The party responsible for product compliance:

SAMSUNG ELECTRONICS CO., LTD.
America QA Lab of Samsung
3351 Michelson Drive
Suite #290, Irvine, CA92612 USA

Warning

User must use shielded signal interface cables to maintain FCC compliance for the product.
Provided with this monitor is a detachable power supply cord with IEC320 style terminations.
It may be suitable for connection to any UL Listed personal computer with similar configuration.
Before making the connection, make sure the voltage rating of the computer convenience outlet is the same as the monitor and that the ampere rating of the computer convenience outlet is equal or exceeds the monitor voltage rating.
For 120 Volt applications, use only UL Listed detachable power cord with NEMA configuration 5-15P type(parallel blades) plug cap. For 240 Volt applications use only UL Listed detachable power supply cord with NEMA configuration 6015P type(tandem blades) plug cap.
This television receiver provides display of television closed captioning in accordance with Section 15.119 of the FCC rules.(TV broadcast receivers with picture screens 13 inches or larger in diameter models only)

ICES-003 Class A Notice - Avis NMB-003, Classe A

This Class A digital apparatus complies with Canadian ICES-003.
Cet appareil numérique de la classe A est conforme à la norme NMB-003 du Canada.

ICES-003 Class B Notice - Avis NMB-003, Classe B

This Class B digital apparatus complies with Canadian ICES-003.
Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

VCCI Class A Notice

この装置は、情報處理装置等電波障害自主規制協議會(VCCI)の基準に基づくクテスA情報技術装置です。
この装置を家庭環境で使用すると電波妨害を引き起こすことがあります。
この場合には使用者が適切な對策を講ずるよう要求されることがあります。

VCCI Class B Notice

この装置は、情報處理装置等電波障害自主規制協議會(VCCI)の基準に基づくクテスB情報技術装置です。
この装置は、家庭環境で使用することを目的としていますが、この装置がラジオやテレビジョン
受信機に近接して使用されると、受信障害を引き起こすことがあります。
取級説明書に従って正しい取り扱いをして下さい。

BSMI Class A Notice

The following statement is applicable to products shipped to Taiwan and marked as Class A on the product compliance label.

警告使用者:
這是甲類資訊類產品,在居住環境中使用時,可能會造成射頻干擾,在這種情況下,
使用者會被要求採取某些適當的對策。

European Notice(Europe Only)

Products with the CE marking comply with the EMC Directive(89/336/EEC), (92/31/EEC), (93/68/EEC) and the Low Voltage Directive(73/23/EEC) issued by the Commission of the European Community.

Compliance with these directives implies conformity to the following European Norms:
- EN55022: Radio Frequency Interference
- EN55024: Electromagnetic Immunity of Information Technology Equipment
- EN61000-3-2: Power Line Harmonics
- EN61000-3-3: Voltage Fluctuations
- EN55013: Radio disturbance characteristics of broadcast receivers and associated equipments
- EN55020: Electromagnetic immunity of broadcast receivers and associated equipments

European Class A Warning

This is a class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.(Class A product only)

정보통신기기 A급기기 (MIC Class A Notice)

이 기기는 업무용으로 전자파적합등록을 한 기기이오니 판매자 또는 사용자는 이 점을 주의하시기 바라며 만약 잘못 판매 또는 구입하였을 때에는 가정용으로 교환하시기 바랍니다 .

정보통신기기 B급기기 (MIC Class B Notice)

이 기기는 가정용으로 전자파적합등록을 한 기기로서 주거지역에서는 물론 모든 지역에서 사용할 수 있습니다 .

Italian Homologation Notice

Questo apparecchio e fabbricato in conformita al D.M.28.08.95 n.548
ed in particolare a quanto specificato nell Art.2, comma 1.
Questo apparecchio e fabbricato nella U.E. in conformita al D.M.28.08.95 n.548
Art.2, comma 1 ed al D.M.26.03.92 Art.1
-. For products produced in countries except European Community
Questo apparecchio e fabbricato in conformita al D.M.28.08.95 n.548
ed in particolare a quanto specificato nell Art.2, comma 1.
-. For products produced in European Community
Questo apparecchio e fabbricato nella U.E. in conformita al D.M.28.08.95 n.548
Art.2, comma 1 ed al D.M.26.03.92 Art.1

Important Safety Instructions(UL Only)

1) Read these instructions.
2) Keep these instructions.
3) Heed all warnings.
4) Follow all instructions.
5) Do not use this apparatus near water.
6) Clean only with dry cloth.
7) Do not block any ventilation openings, Install in accordance with the manufacturer's instructions.
8) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9) Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10) Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11) Only use attachments/accessories specified by the manufacturer.
12) Use only with cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
13) Unplug this apparatus during lightning storms or when unused for long periods of time.
14) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

WARNING: To prevent damage which may result in fire or electric shock hazard, do not expose this appliance to rain or moisture.

• Optional

1. Do not place the apparatus in a rack or bookcase. Ensure that there is adequate ventilation and that you've followed that manufacturer's instructions for mounting. (For PDP or Projection TV apparatus)
2. If you place the apparatus in a rack or bookcase, ensure that there is adequate ventilation and that you've followed the manufacturer's instructions.

MPR II Compliance (MPR II applied model only)

This monitor complies with SWEDAC(MPR II) recommendations for reduced electric and magnetic fields.

• EPA applied model only

As an ENERGY STAR Partner, Samsung has determined that this product or product models meets the ENERGY STAR guidelines for energy efficiency.

ENERGY STAR PARTNER

Mercury Statement (LCD Monitor, LCD TV, DLP Projection TV, Projector for USA only)

(Hg) LAMP(S) INSIDE THIS PRODUCT CONTAIN MERCURY AND MUST BE RECYCLED OR DISPOSED OF ACCORDING TO LOCAL, STATE OR FEDERAL LAWS

For details see lamprecycle.org, eiae.org, or call 1-800-Samsung

ELECTRONICS

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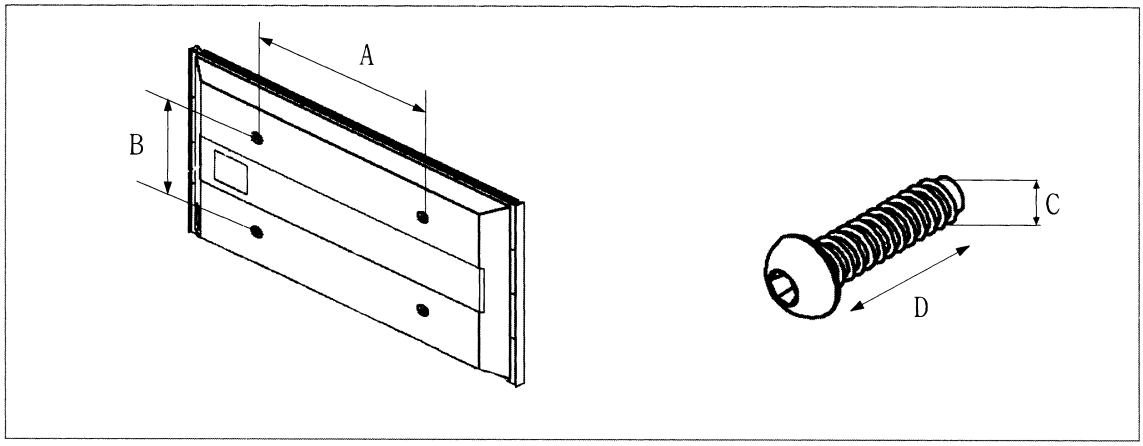
Sheet Correction of Wall Mount Kit Specifications (VESA)

When attaching to other building materials, please contact your nearest dealer.



Product Family	inch	VESA Spec. (A * B)	Standard Screw (C * D)	Quantity
LCD-TV	23~ 26	200 * 100	M4 * L15	4
	32 ~ 40	200 * 200	M6 * L16	4
	46 ~ 52	600 * 400	M8 * L40	4
	57	700 * 400		
PDP-TV	42 ~ 50	600 * 400		
	63	No VESA	M8	6

- We provided the standard dimensions for wall mount kits as shown in the table above.
- When purchasing our wall mount kit, a detailed installation manual and all parts necessary for assembly are prvided.
- Do not use screws longer than the standard dimension, as they may cause damage to the inside of the TV set.
- Our 63" model does not comply with VESA Specifications. Therefore, you should use our dedicated wall mount kit for this model.
- Contact a technician for assistance when installing the wall mounted bracket, recommended by your authorized dealer. Samsung Electronics is not responsible for any damage to the product or injury to yourself or others if you elect to install the TV on your own.

- Nous offrons les dimensions standard pour les jeux d'installation murale, indiquées dans le tableau ci-dessus.
- Un manuel d'installation détaillée et toutes les pièces nécessaires à l'assemblage sont comprises avec l'achat de notre jeu d'installation murale.
- Ne pas utiliser de vis plus longues que les dimensions standard : elles pourraient endommager l'intérieur du téléviseur.
- Notre modèle de 63 po n'est pas conforme aux spécifications VESA Cela étant, utiliserle jeu d'installation murale spécifique à ce modèle.
- Faites appel à un technicien pour obtenir de l'assistance lors de l'installation du support mural, recommandé par votre revendeur autorisé. Samsung Electronics ne saurait être tenu pour responsable de tout dommage subi par le produit ou de toute blessure sur vous-même ou une autre personne dans le cas où vous choisiriez d'installer le téléviseur vousmême.

- Se ofrecen las dimensiones estándar para los equipos de montaje en la pared, como se muestra en la tabla anterior.
- Al adquirir el equipo de montaje en la pared, también se distribuye un manual de instalación detallado y todas las piezas necesarias para el montaje.
- No use tornillos con un tamaño superior al estándar, ya que pueden causar daños en el interior del televisor.
- El modelo de 63" no es compatible con las especificaciones VESA. Por ello, debe usar un equipo de montaje en la pared exclusivo para este modelo.
- Para la instalación del soporte mural, póngase en contacto con un técnico, recomendado por su distribuidor autorizado. Samsung Electronics no se hace responsable de los daños causados al producto o al usuario si éste ha efectuado la instalación del televisor.

Presenting the range
of Samsung products.

For more information about your product, please visit us at www.samsung.com/register. Failure to complete and return this card register does not diminish your warranty rights on your product. No purchase or registration necessary to enter or win in the Samsung Product Registration Sweepstakes. Open to legal residents of the 50 U.S. & D.C., 18 or older. Void where prohibited. Visit www.samsung.com/register to register your product and be entered into the current monthly drawing. Monthly sweepstakes will run from 3/01/2007 through 2/28/2008. Non-winning eligible entries from one monthly drawing will not roll-over into subsequent monthly drawings. See Official Rules at www.samsung.com/register for complete details, including current prize, entry deadline and how to enter without registering a product. Sponsor: Samsung Electronics America, Inc. © 2007 Samsung Electronics America, Inc. Samsung is a registered trademark of Samsung Electronics Co., Ltd. All rights reserved.

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*_BusinessWeek/Interbrand_ study 2001-2006
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- Enter for a chance to win a new Samsung product.
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GARANTIE LIMITÉE POUR L'AMÉRIQUE DU NORD

Assujettie aux exigences, conditions, exclusions et limitations de la garantie limitée originale fournie avec les produits de Samsung Electronics (SAMSUNG) et les exigences, conditions, exclusions et limitations de la présente garantie, SAMSUNG offrira en plus un service de réparation sous garantie aux États-Unis pour les produits achetés au Canada et un service de réparation sous garantie au Canada pour les produits achetés aux États-Unis pendant la période de garantie précisée à l'origine et pour l'acheteur initial seulement.

Les réparations sous garantie décrites ci-dessus doivent être effectuées dans un centre de réparation agréé SAMSUNG. En plus de la présente garantie, la garantie limitée originale et une facture datée en tant que preuve d'achat doivent être présentées au centre de réparation. Le transport de l'appareil au et à partir du centre de réparation demeure la responsabilité de l'acheteur.

Les conditions couvertes ne sont limitées qu'aux vices de matériaux et de fabrication dans des conditions d'utilisation normale.

Exclues, mais non pas limitées à, sont les dispositions précisées à l'origine pour le service à domicile ou sur place, durées de réparation minimales et maximales, échanges ou remplacements, accessoires, options, extensions ou produits non durables.

Pour obtenir le nom d'un centre de réparation agréé Samsung, appelez sans frais :

Aux États-Unis : 1-800-SAMSUNG (1-800-726-7864)
Au Canada : 1-800-SAMSUNG

Printed in Mexico
AA68-01561A

SAMSUNG ELECTRONICS

SAMSUNG ELECTRONICS

NORTH AMERICAN LIMITED WARRANTY STATEMENT

Subject to the requirements, conditions, exclusions and limitations of the Original Limited Warranty supplied with Samsung Electronics (SAMSUNG) products, and the requirements, conditions, exclusions and limitations contained herein, SAMSUNG will additionally provide Warranty Repair Service in the United States on SAMSUNG products purchased in Canada, and in Canada on SAMSUNG products purchased in the United States, for the warranty period originally specified, and to the Original Purchaser only.

The above described warranty repairs must be performed by a SAMSUNG Authorized Service Center. Along with this Statement, the Original Limited Warranty Statement and a dated Bill of Sale as Proof of Purchase must be presented to the Service Center. Transportation to and from the Service Center is the responsibility of the purchaser.

Conditions covered are limited only to manufacturing defects in material or workmanship, and only those encountered in normal use of the product.

Excluded, but not limited to, are any originally specified provisions for, in-home or on-site services, minimum or maximum repair times, exchanges or replacements, accessories, options, upgrades, or consumables.

For the location of a SAMSUNG Authorized Service Center, please call toll-free:

In the United States: 1-800-SAMSUNG (1-800-726-7864)
In Canada: 1-800-SAMSUNG

SAMSUNG COLOR TELEVISION & PROJECTION TELEVISION

LIMITED WARRANTY TO ORIGINAL PURCHASER

This SAMSUNG brand product, as supplied and distributed by SAMSUNG and delivered new, in the original carton to the original consumer purchaser, is warranted by SAMSUNG against manufacturing defects in materials and workmanship for a limited warranty period of:

Color Television: One (1) Year Parts and Labor, except Two (2) Years Parts Warranty for Picture Tube (CRT)*
Projection Television: One (1) Year Parts and Labor, including Picture Tubes (CRT)*
LCD TV: One (1) Year Parts and Labor, including Display Panels
Plasma Display: Two (2) Year Parts and Labor, including Display Panels
DLP Projection TV: One (1) Year Parts and Labor, including Display Panels
(*90 Days Parts and Labor for Commercial Use)

This limited warranty begins on the original date of purchase, and is valid only on products purchased and used in the United States. To receive warranty service, the purchaser must contact SAMSUNG for problem determination and service procedures. Warranty service can only be performed by a SAMSUNG authorized service center. The original dated bill of sale must be presented upon request as proof of purchase to SAMSUNG or SAMSUNG's authorized service center.

SAMSUNG will repair or replace this product, at our option and at no charge as stipulated herein, with new or reconditioned parts or products if found to be defective during the limited warranty period specified above. All replaced parts and products become the property of SAMSUNG and must be returned to SAMSUNG. Replacement parts and products assume the remaining original warranty, or ninety (90) days, whichever is longer.

For 26" and larger televisions(for LCD TV, 32" and larger), in-home service will be provided during the warranty labor period subject to availability within the contiguous United States. In-home service is not available in all areas. To receive in-home service, the product must be unobstructed and accessible to service personnel. If during in-home service repair can not be completed, it may be necessary to remove, repair and return the product. If in-home service is unavailable, SAMSUNG may elect, at our option, to provide for transportation of our choice to and from a SAMSUNG authorized service center. Otherwise, and for 25" and smaller televisions, transportation to and from the SAMSUNG authorized service center is the responsibility of the purchaser.

This limited warranty covers manufacturing defects in materials and workmanship encountered in normal, and except to the extent otherwise expressly provided for in this statement, noncommercial use of this product, and shall not apply to the following, including, but not limited to: damage which occurs in shipment; delivery and installation; applications and uses for which this product was not intended; altered product or serial numbers; cosmetic damage or exterior finish; accidents, abuse, neglect, fire, water, lightning or other acts of nature; use of products, equipment, systems, utilities, services, parts, supplies, accessories, applications, installations, repairs, external wiring or connectors not supplied or authorized by SAMSUNG which damage this product or result in service problems; incorrect electrical line voltage, fluctuations and surges; customer adjustments and failure to follow operating instructions, cleaning, maintenance and environmental instructions that are covered and prescribed in the instruction book; reception problems and distortion related to noise, echo, interference or other signal transmission and delivery problems; picture tube (CRT) brightness related to normal aging, or burned-in images. SAMSUNG does not warrant uninterrupted or error-free operation of the product.

THERE ARE NO EXPRESS WARRANTIES OTHER THAN THOSE LISTED AND DESCRIBED ABOVE, AND NO WARRANTIES WHETHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, SHALL APPLY AFTER THE EXPRESS WARRANTY PERIODS STATED ABOVE, AND NO OTHER EXPRESS WARRANTY OR GUARANTY GIVEN BY ANY PERSON, FIRM OR CORPORATION WITH RESPECT TO THIS PRODUCT SHALL BE BINDING ON SAMSUNG. SAMSUNG SHALL NOT BE LIABLE FOR LOSS OF REVENUE OR PROFITS, FAILURE TO REALIZE SAVINGS OR OTHER BENEFITS, OR ANY OTHER SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES CAUSED BY THE USE, MISUSE OR INABILITY TO USE THIS PRODUCT, REGARDLESS OF THE LEGAL THEORY ON WHICH THE CLAIM IS BASED, AND EVEN IF SAMSUNG HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. NOR SHALL RECOVERY OF ANY KIND AGAINST SAMSUNG BE GREATER IN AMOUNT THAN THE PURCHASE PRICE OF THE PRODUCT SOLD BY SAMSUNG AND CAUSING THE ALLEGED DAMAGE. WITHOUT LIMITING THE FOREGOING, PURCHASER ASSUMES ALL RISK AND LIABILITY FOR LOSS, DAMAGE OR INJURY TO PURCHASER AND PURCHASER'S PROPERTY AND TO OTHERS AND THEIR PROPERTY ARISING OUT OF THE USE, MISUSE OR INABILITY TO USE THIS PRODUCT SOLD BY SAMSUNG NOT CAUSED DIRECTLY BY THE NEGLIGENCE OF SAMSUNG. THIS LIMITED WARRANTY SHALL NOT EXTEND TO ANYONE OTHER THAN THE ORIGINAL PURCHASER OF THIS PRODUCT, IS NONTRANSFERABLE AND STATES YOUR EXCLUSIVE REMEDY.

Some states do not allow limitations on how long an implied warranty lasts, or the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

To obtain warranty service, please contact SAMSUNG at:

Samsung Electronics America, Inc.
105 Challenger Road
Ridgefield Park, NJ 07660-0511
1-800-SAMSUNG (7267864) - www.samsung.com

IMPORTANT WARRANTY INFORMATION REGARDING TELEVISION FORMAT VIEWING

Standard screen format televisions (4:3, the aspect ratio of the screen width to height) are primarily designed to view standard format full-motion video. The images displayed on them should primarily be in the standard 4:3 ratio format and constantly moving. Displaying stationary graphics and images on screen, such as the dark top and bottom letterbox bars (wide screen pictures), should be limited to no more than 15% of the total television viewing per week.

Wide screen format televisions (16:9, the aspect ratio of the screen width to height) are primarily designed to view wide screen format full-motion video. The images displayed on them should primarily be in the wide screen 16:9 ratio format, or expanded to fill the screen if your model offers this feature, and constantly moving. Displaying stationary graphics and images on screen, such as the dark side-bars on non-expanded standard format television video and programming, should be limited to no more than 15% of the total television viewing per week.

Additionally, viewing other stationary images and text such as stock market reports, video game displays, station logos, web sites or computer graphics and patterns, should be limited as described above for all televisions. Displaying any stationary images that exceed the above guidelines can cause uneven aging of picture tubes (CRTs) or Plasma Display Panels that leave subtle, but permanent burned-in ghost images in the television picture. To avoid this, vary the programming and images, and primarily display full screen moving images, not stationary patterns or dark bars. On television models that offer picture sizing features, use these controls to view the different formats as a full screen picture.

Be careful in the selection and duration of television formats used for viewing. Uneven CRT or Plasma Display Panels aging as a result of format selection and use, as well as other burned-in images, is not covered by your Samsung limited warranty.